

Ember Js In Action

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Ember.js in Action Joachim Haagen Skeie 2014-06-23 Summary Ember.js in Action is a crisp tutorial that introduces the Ember.js framework and shows you how to build production-quality web applications. You'll begin with the basic architecture: client- and server-side MVC, integrating Ember.js with your favorite back end, handling data ... and more. You'll explore the amazing Handlebars templating engine that automatically updates your apps when the data behind them changes. Along the way, you'll develop a complete Ember.js application and learn how to deploy, administer, and update it efficiently. Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications. About the Technology Ember.js is a JavaScript MVC framework that handles important tasks like managing code modules, maintaining state, and expediting reliable data flow. It provides the patterns, components, and scaffolding you need to build ambitious web applications. About the Book Ember.js in Action introduces the Ember.js framework and shows you how to build full-featured, desktop-quality web applications. You'll begin with the basic architecture: client- and server-side MVC and how to integrate Ember.js with your favorite back end. Then you'll explore the amazing Handlebars templating engine that automatically updates your apps when the data behind them changes. Along the way, you'll develop a complete Ember.js application and learn how to deploy, administer, and update it efficiently. Readers of this book need to know JavaScript. No prior experience with Ember.js is required. What's Inside Working with Ember Data Mastering Handlebars templates Advanced JavaScript techniques Covers Ember.js 1.0 About the Author Joachim Haagen Skeie is an experienced web application developer and the author of Montric, an open source monitoring tool built using Ember.js. Table of Contents PART 1 EMBER.JS FUNDAMENTALS Powering your next ambitious web application The Ember.js way Putting everything together using Ember.js Router Automatically updating templates with Handlebars.js PART 2 BUILDING AMBITIOUS WEB APPS FOR THE REAL WORLD Bringing home the bacon—interfacing with the server side using Ember Data Interfacing with the server side without using Ember Data Writing custom components Testing your Ember.js application PART 3 ADVANCED EMBER.JS TOPICS Authentication through a third-party system—Mozilla Persona The Ember.js run loop—Backburner.js Packaging and deployment

Ionic in Action Jeremy Wilken 2015-09-20 Summary Ionic in Action teaches web developers how to build cross-platform mobile apps for phones and tablets on iOS and Android. You'll learn how to extend your web development skills to build apps that are indistinguishable from native iOS or Android projects.

Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications. About the Book Wouldn't it be great if you could build mobile apps using just your web development skills? With Ionic, you can do just that: create hybrid mobile apps using web technologies that you already know, like HTML, CSS, and JavaScript, that will run on both iOS and Android. Ionic in Action teaches web developers how to build mobile apps using Ionic and AngularJS. Through carefully explained examples, the book shows you how to create apps that use UI components designed for mobile, leverage current location, integrate with native device features like the camera, use touch gestures, and integrate with external data sources. Learn to test your apps to improve stability and catch errors as you develop. Finally, you'll discover the command-line utility, and how to build and deploy to app stores. What's Inside Create mobile apps with HTML, JavaScript, and CSS Design complex interfaces with Ionic's UI controls Build once and deploy for both iOS and Android Use native device hardware and device-specific features Covers the entire mobile development process About the Reader Readers should know HTML, CSS, and JavaScript. Familiarity with AngularJS is helpful but not required. About the Author Jeremy Wilken is a senior UX software developer who works with Ionic, AngularJS, and Node.js. He lives in Austin, Texas. Table of Contents Introducing Ionic and hybrid apps Setting up your computer to build apps What you need to know about AngularJS Ionic navigation and core components Tabs, advanced lists, and form components Weather app, using side menus, modals, action sheets, and ionScroll Advanced techniques for professional apps Using Cordova plugins Previewing, debugging, and automated testing Building and publishing apps

RESTful Rails Development Silvia Puglisi 2015-10-08 The Web is slowly but surely changing from a model in which a human reader browses content on web pages to a model in which services and clients (not necessarily humans) exchange information. And because of this, author Silvia Puglisi explains, it makes more sense to build platforms instead of just products or applications. Platforms are like ecosystems interconnecting different applications, services, users, developers, and partners, and offer many benefits. In this book, you'll learn how to design and develop Representational State Transfer (REST) platforms in Rails. You'll begin with an introduction to Ruby on Rails, and then move quickly through new concepts. At the end of each chapter, you'll have learned something new about building and organically extending a multi-service platform spanning different devices—and will have had some fun in the process. By the end of the book you'll know how to build an architecture composed of different services accessing shared resources through a set of collaborating APIs and applications. Explore the basics of REST and HTTP, including REST architecture and the role of hypermedia Get to know Rails and Ruby on Rails Learn about API development and create an API Take a thorough look at REST, including Asynchronous REST and testing RESTful services Work with data streams as you map them onto an application UI and integrate external APIs in your application Learn about device-independent development Use data analytics to recognize important events, develop key metrics, and track them Explore various tools you can use to build your own data analytic platform Learn how to scale a Rails application successfully Examine privacy and security issues and the implications of handling and collecting user data

Redux in Action Marc Garreau 2018-05-11 Summary With Redux in Action, you'll discover how to integrate Redux into your React application and development environment. With the insights you glean from the experience of authors Marc Garreau and Will Faurot, you'll be more than confident in your ability to solve

your state management woes with Redux and focus on developing the apps you need! Foreword by Mark Erikson, Redux co-maintainer. Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications. About the Technology With Redux, you manage the state of a web application in a single, simple object, practically eliminating most state-related bugs. Centralizing state with Redux makes it possible to quickly start saved user sessions, maintain a reliable state history, and smoothly transfer state between UIs. Plus, the Redux state container is fully programmable and integrates cleanly with React and other popular frameworks. About the Book Redux in Action is an accessible guide to effectively managing state in web applications. Built around common use cases, this practical book starts with a simple task-management application built in React. You'll use the app to learn the Redux workflow, handle asynchronous actions, and get your hands on the Redux developer tools. With each step, you'll discover more about Redux and the benefits of centralized state management. The book progresses to more-complex examples, including writing middleware for analytics, time travel debugging, and an overview of how Redux works with other frameworks such as Angular and Electron. What's Inside Using Redux in an existing React application Handling side effects with the redux-saga library Consuming APIs with asynchronous actions Unit testing a React and Redux application About the Reader For web developers comfortable with JavaScript and React. About the Author Marc Garreau has architected and executed half a dozen unique client-side applications using Redux. Will Faurot is a mentor for Redux developers of all skill levels. Table of Contents Introducing Redux Your first Redux application Debugging Redux applications Consuming an API Middleware Handling complex side effects Preparing data for components Structuring a Redux store Testing Redux applications Performance Structuring Redux code Redux beyond React

Node.js in Action Tim Oxley 2017-08-16 Summary Node.js in Action, Second Edition is a thoroughly revised book based on the best-selling first edition. It starts at square one and guides you through all the features, techniques, and concepts you'll need to build production-quality Node applications. Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications. About the Technology You already know JavaScript. The trick to mastering Node.js is learning how to build applications that fully exploit its powerful asynchronous event handling and non-blocking I/O features. The Node server radically simplifies event-driven real-time apps like chat, games, and live data analytics, and with its incredibly rich ecosystem of modules, tools, and libraries, it's hard to beat! About the Book Based on the bestselling first edition, Node.js in Action, Second Edition is a completely new book. Packed with practical examples, it teaches you how to create high-performance web servers using JavaScript and Node. You'll master key design concepts such as asynchronous programming, state management, and event-driven programming. And you'll learn to put together MVC servers using Express and Connect, design web APIs, and set up the perfect production environment to build, lint, and test. What's Inside Mastering non-blocking I/O The Node event loop Testing and deploying Web application templating About the Reader Written for web developers with intermediate JavaScript skills. About the Authors The Second Edition author team includes Node masters Alex Young, Bradley Meck, Mike Cantelon, and Tim Oxley, along with original authors Marc Harter, T.J. Holowaychuk, and Nathan Rajlich. Table of contents PART 1 - WELCOME TO NODE Welcome to Node.js Node programming fundamentals What is a Node web application? PART 2 - WEB DEVELOPMENT WITH NODE Front-end build systems Server-side frameworks Connect and Express in depth Web application templating Storing application data Testing Node applications

Deploying Node applications and maintaining uptime PART 3 - BEYOND WEB DEVELOPMENT Writing command-line applications Conquering the desktop with Electron

jQuery in Action Bear Bibeault 2015-09-19 Summary *jQuery in Action*, Third Edition, is a fast-paced and complete guide to jQuery, focused on the tasks you'll face in nearly any web dev project. Written for readers with minimal JavaScript experience, this revised edition adds new examples and exercises, along with the deep and practical coverage you expect from an In Action book. You'll learn how to traverse HTML documents, handle events, perform animations, write plugins, and even unit test your code. The unique lab pages anchor each concept with real-world code. Several new chapters teach you how to interact with other tools and frameworks to build modern single-page web applications. Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications. About the Technology Thanks to jQuery, no one remembers the bad old days when programmers manually managed browser inconsistencies, CSS selectors support, and DOM navigation, and when every animation was a frustrating exercise in raw JavaScript. The elegant, intuitive jQuery library beautifully manages these concerns, and jQuery 3 adds even more features to make your life as a web developer smooth and productive. About the Book *jQuery in Action*, Third Edition, is a fast-paced guide to jQuery, focused on the tasks you'll face in nearly any web dev project. In it, you'll learn how to traverse the DOM, handle events, perform animations, write jQuery plugins, perform Ajax requests, and even unit test your code. Its unique Lab Pages anchor each concept in real-world code. This expanded Third Edition adds new chapters that teach you how to interact with other tools and frameworks and build modern single-page web applications. What's Inside Updated for jQuery 3 DOM manipulation and event handling Animations and effects Advanced topics including Unit Testing and Promises Practical examples and labs About the Readers Readers are assumed to have only beginning-level JavaScript knowledge. About the Authors Bear Bibeault is coauthor of *Secrets of the JavaScript Ninja*, *Ajax in Practice*, and *Prototype and Scriptaculous in Action*. Yehuda Katz is an early contributor to jQuery and cocreator of *Ember.js*. Aurelio De Rosa is a full-stack web developer and a member of the jQuery content team. Table of Contents PART 1 STARTING WITH JQUERY Introducing jQuery PART 2 CORE JQUERY Selecting elements Operating on a jQuery collection Working with properties, attributes, and data Bringing pages to life with jQuery Events are where it happens! Demo: DVD discs locator Energizing pages with animations and effects Beyond the DOM with jQuery utility functions Talk to the server with Ajax 260 Demo: an Ajax-powered contact form PART 3 ADVANCED TOPICS When jQuery is not enough...plugins to the rescue! Avoiding the callback hell with Deferred Unit testing with QUnit How jQuery fits into large projects

React Hooks in Action John Larsen 2021-04-13 Build stylish, slick, and speedy-to-load user interfaces in React without writing custom classes. React Hooks are a new category of functions that help you to manage state, lifecycle and side effects within functional components. *React Hooks in Action* teaches you to use pre-built hooks like `useState`, `useReducer` and `useEffect`, and to build your own hooks. Your code will be more reusable, require less boilerplate, and you'll instantly be a more effective React developer. About the technology React Hooks promise to make React programmers even more productive. Hooks are a collection of pre-built and custom functions that give you a simpler API for working with key React functionalities. Hooks cleanly encapsulate side effects, make it easier to reuse components between projects, and result in less code overall. These new features represent a fundamental evolution in how the React

library functions, so even experienced React developers will want to get up to speed with Hooks. About the book React Hooks in Action shows you how to use Hooks to make your codebase simpler and more reusable, and your applications faster and more responsive. You'll build a resource booking example application chapter by chapter, learning how to develop components with local, shared, and application states. You'll discover different approaches to data fetching, including using Concurrent Mode and Suspense to improve user experience, and explore third party hooks in the evolving React ecosystem. What's inside Create a Redux store and interact with it via Hooks Use code-splitting to improve the responsiveness of your apps Build functional components that can update their own state Manage component side effects Use the React Suspense API to improve the user experience of page and data loading About the reader For front-end web developers experienced with React. About the author John Larsen is the author of Get Programming with JavaScript. He was a mathematics and computing teacher for 25 years. He has an MA in mathematics and an MSc in information technology, and an ongoing interest in educational research. A web developer since 2000, he uses JavaScript end-to-end for server-side and client-side programming.

Spring Essentials Shameer Kunjumohamed 2016-02-26 Build mission-critical enterprise applications using Spring Framework and Aspect Oriented Programming About This Book Step into more advanced features of aspect-oriented programming and API components to build enterprise grade systems Build lightning-fast web applications and REST APIs using Spring MVC and its asynchronous processing capabilities with the view technologies of your choice Explore simplified but powerful data access techniques including JPA (Java Persistence Architecture) repositories and NoSQL data access Who This Book Is For If you are a Java developer who is looking to master Enterprise Java Development using Spring Framework, then this book is ideal for you. Prior understanding of core Java programming and a high-level understanding of Spring Framework is recommended. Having sound knowledge of servlet-based web development in Java and basic Database concepts would be an advantage but not a requirement. What You Will Learn Set up and build standalone and web-based projects using Spring Framework with Maven or Gradle Get familiar with JSP Form processing using Spring and Form Tag Library Develop RESTful API applications for XML and JSON data transfers with non-blocking asynchronous capabilities Explore Spring's comprehensive transaction support for declarative Transaction Management and its integration with Spring's data access abstractions Investigate Spring Data access mechanisms with Spring Data Repositories, a simple and consistent data-access abstraction Construct real-time applications using WebSocket with a SockJS fallback option Understand how to secure your Spring Web and standalone applications using Spring Security declaratively and consistently Get to grips with the end-to-end development of an API-based modern SPA using EmberJS at the front end and SpringMVC at the back end In Detail Spring is an open source Java application development framework to build and deploy systems and applications that run on the JVM. It is the industry standard and the most popular framework among Java developers with over two-thirds of developers using it. Spring Essentials makes learning Spring so much quicker and easier with the help of illustrations and practical examples. Starting from the core concepts of features such as inversion of Control Container and BeanFactory, we move on to a detailed look at aspect-oriented programming. We cover the breadth and depth of Spring MVC, the WebSocket technology, Spring Data, and Spring Security with various authentication and authorization mechanisms. Packed with real-world examples, you'll get an insight into utilizing the power of Spring Expression Language in your applications for higher maintainability. You'll also develop full-duplex real-time communication channels using WebSocket and integrate

Spring with web technologies such as JSF, Struts 2, and Tapestry. At the tail end, you will build a modern SPA using EmberJS at the front end and a Spring MVC-based API at the back end. By the end of the book, you will be able to develop your own dull-fledged applications with Spring. Style and approach This book is a practical guide based on logical modules of the whole Spring Framework family, with a start-small approach, increasing in complexity as it progresses. Every chapter is an amalgamation of theory and practical examples, with further discussion on additional features and approaches.

JQuery in Action Bear Bibeault 2010 Provides information on the jQuery library and its use in Web site development.

Node.js in Practice Marc Harter 2014-12-03 Summary Node.js in Practice is a collection of fully tested examples that offer solutions to the common and not-so-common issues you face when you roll out Node. You'll dig into important topics like the ins and outs of event-based programming, how and why to use closures, how to structure applications to take advantage of end-to-end JavaScript apps, and more. Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications. About the Book You've decided to use Node.js for your next project and you need the skills to implement Node in production. It would be great to have Node experts Alex Young and Marc Harter at your side to help you tackle those day-to-day challenges. With this book, you can! Node.js in Practice is a collection of 115 thoroughly tested examples and instantly useful techniques guaranteed to make any Node application go more smoothly. Following a common-sense Problem/Solution format, these experience-fueled techniques cover important topics like event-based programming, streams, integrating external applications, and deployment. The abundantly annotated code makes the examples easy to follow, and techniques are organized into logical clusters, so it's a snap to find what you're looking for. Written for readers who have a practical knowledge of JavaScript and the basics of Node.js. What's Inside Common usage examples, from basic to advanced Designing and writing modules Testing and debugging Node apps Integrating Node into existing systems About the Authors Alex Young is a seasoned JavaScript developer who blogs regularly at DailyJS. Marc Harter works daily on large-scale projects including high-availability real-time applications, streaming interfaces, and other data-intensive systems. Table of Contents PART 1 NODE FUNDAMENTALS Getting started Globals: Node's environment Buffers: Working with bits, bytes, and encodings Events: Mastering EventEmitter and beyond Streams: Node's most powerful and misunderstood feature File system: Synchronous and asynchronous approaches Networking: Node's true "Hello, World" Child processes: Integrating external applications with Node PART 2 REAL-WORLD RECIPES The Web: Build leaner and meaner web applications Tests: The key to confident code Debugging: Designing for introspection and resolving issues Node in production: Deploying applications safely PART 3 WRITING MODULES Writing modules: Mastering what Node is all about

Electron in Action Steve Kinney 2018-10-02 Summary Electron in Action guides you, step-by-step, as you learn to build cross-platform desktop applications that run on Windows, OSX, and Linux. By the end of the book, you'll be ready to build simple, snappy applications using JavaScript, Node, and the Electron framework. Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications. About the Technology Wouldn't it be great to build desktop applications using just your web dev skills? Electron is a framework designed for exactly that! Fully cross-platform, Electron lets you use JavaScript and Node to create simple, snappy desktop apps. Spinning up

tools, games, and utilities with Electron is fast, practical, and fun! About the Book Electron in Action teaches you to build cross-platform applications using JavaScript, Node, and the Electron framework. You'll learn how to think like a desktop developer as you build a text tool that reads and renders Markdown. You'll add OS-specific features like the file system, menus, and clipboards, and use Chromium's tools to distribute the finished product. You'll even round off your learning with data storage, performance optimization, and testing. What's inside Building for macOS, Windows, and Linux Native operating system APIs Using third-party frameworks like React Deploying to the Mac App Store About the Reader Requires intermediate JavaScript and Node skills. No experience building desktop apps required. About the Author Steven Kinney is a principal engineer at SendGrid, an instructor with Frontend Masters, and the organizer of the DinosaurJS conference in Denver, Colorado. Table of Contents PART 1 - GETTING STARTED WITH ELECTRON Introducing Electron Your first Electron application PART 2 - BUILDING CROSS-PLATFORM APPLICATIONS WITH ELECTRON Building a notes application Using native file dialog boxes and facilitating interprocess communication Working with multiple windows Working with files Building application and context menus Further operating system integration and dynamically enabling menu items Introducing the tray module Building applications with the menubar library Using transpilers and frameworks Persisting use data and using native Node.js modules Testing applications with Spectron PART 3 - DEPLOYING ELECTRON APPLICATIONS Building applications for deployment Releasing and updating applications Distributing your application through the Mac App Store

Angular in Action Jeremy Wilken 2018-03-07 Summary Angular in Action teaches you everything you need to build production-ready Angular applications. Thoroughly practical and packed with tricks and tips, this hands-on tutorial is perfect for web devs ready to build web applications that can handle whatever you throw at them. Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications. About the Technology Angular makes it easy to deliver amazing web apps. This powerful JavaScript platform provides the tooling to manage your project, libraries to help handle most common tasks, and a rich ecosystem full of third-party capabilities to add as needed. Built with developer productivity in mind, Angular boosts your efficiency with a modern component architecture, well-constructed APIs, and a rich community. About the Book Angular in Action teaches you everything you need to build production-ready Angular applications. You'll start coding immediately, as you move from the basics to advanced techniques like testing, dependency injection, and performance tuning. Along the way, you'll take advantage of TypeScript and ES2015 features to write clear, well-architected code. Thoroughly practical and packed with tricks and tips, this hands-on tutorial is perfect for web devs ready to build web applications that can handle whatever you throw at them. What's Inside Spinning up your first Angular application A complete tour of Angular's features Comprehensive example projects Testing and debugging Managing large applications About the Reader Written for web developers comfortable with JavaScript, HTML, and CSS. About the Author Jeremy Wilken is a Google Developer Expert in Angular, Web Technologies, and Google Assistant. He has many years of experience building web applications and libraries for eBay, Teradata, and VMware. Table of Contents Angular: a modern web platform Building your first Angular app App essentials Component basics Advanced components Services Routing Building custom directives and pipes Forms Testing your application Angular in production

React in Action Mark Thomas 2018-05-28 Summary *React in Action* introduces front-end developers to the React framework and related tools. This clearly written, example-rich book begins by introducing you to React, diving into some of the fundamental ideas in React, and working with components. In the second section, you'll explore the different ways that data works in React as well as learning more about components. You'll also find several useful appendixes covering related topics like React tooling and the React ecosystem. Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications. About the Technology Facebook created React to help deliver amazing user experiences on a website with thousands of components and an incomprehensible amount of traffic. The same powerful tools are available to you too! The key is a clever design for managing state, data flow, and rendering, so your application is easy to think about and runs smoothly. Add an incredibly rich ecosystem of components and libraries, and you've got a recipe for building web apps that will delight both developers and users. About the Book *React in Action* teaches you to think like a pro about user interfaces and building them with React. This practical book gets you up and running quickly with hands-on examples in every chapter. You'll master core topics like rendering, lifecycle methods, JSX, data flow, forms, routing, integrating with third-party libraries, and testing. And the included application design ideas will help make your apps pop. As you learn to integrate React into full-stack applications, you'll explore state management with Redux and server-side rendering, and even dabble in React Native for mobile UIs. What's Inside *React in Action* from the ground up Implementing a routing system with components Server-side rendering in Node.js Working with third-party libraries Testing React components About the Reader Written for developers familiar with HTML, CSS, and JavaScript. About the Author Mark Thomas is an experienced software engineer who works daily with React, JavaScript, and Node.js. He loves clean code, beautiful systems, and good coffee. Table of Contents PART 1 - MEET REACT Meet React Our first component PART 2 - COMPONENTS AND DATA IN REACT Data and data flow in React Rendering and lifecycle methods in React Working with forms in React Integrating third-party libraries with React Routing in React More routing and integrating Firebase Testing React components PART 3 - REACT APPLICATION ARCHITECTURE Redux application architecture More Redux and integrating Redux with React React on the server and integrating React Router An introduction to React Native

Ember.js Cookbook Erik Hanchett 2016-02-29 Arm yourself with over 65 hands-on recipes to master the skills of building scalable web applications with Ember.js About This Book This book is your one-stop solution to the key features of Ember.js. Become skilled in the art of building web-apps in a fraction of the code you'd write in other frameworks. Build JavaScript apps that don't break the web! Our 100 recipes will make this a cakewalk for you! This book makes learning Ember.js easy by breaking down each topic into simple-to-understand recipes Who This Book Is For Anyone who wants to explore Ember.js and wishes to get hands on making sophisticated web apps with less coding will find this book handy. Prior experience in Coding and familiarity with JavaScript is recommended. If you've heard of Ember.js or are just curious on how a single-page application framework works, then this book is for you. What You Will Learn Skip the boilerplate code with Ember CLI generators Create a component with actions and events Set up a model with Ember Data using fixture data Create several different types of test cases and run them Manage and set up user authentication using Ember Simple Auth Add animated transitions to your app with Liquid Fire Set up a service and initializer with dependency injection Create a working chat application Set up an Ember Service and

initializer with dependency injection Create a working chat application In Detail Ember.js is an open source JavaScript framework that will make you more productive. It uses common idioms and practices, making it simple to create amazing single-page applications. It also lets you create code in a modular way using the latest JavaScript features. Not only that, it has a great set of APIs to get any task done. The Ember.js community is welcoming newcomers and is ready to help you when needed. This book provides in-depth explanations on how to use the Ember.js framework to take you from beginner to expert. You'll start with some basic topics and by the end of the book, you'll know everything you need to know to build a fully operational Ember application. We'll begin by explaining key points on how to use the Ember.js framework and the associated tools. You'll learn how to effectively use Ember CLI and how to create and deploy your application. We'll take a close look at the Ember object model and templates by examining bindings and observers. We'll then move onto Ember components, models, and Ember Data. We'll show you examples on how to connect to RESTful databases. Next we'll get to grips with testing with integration and acceptance tests using QUnit. We will conclude by covering authentication, services, and Ember add-ons. We'll explore advanced topics such as services and initializers, and how to use them together to build real-time applications. Style and approach Each recipe in this book will make it that much easier to understand Ember.js. Recipe after recipe, you will learn the concepts of Ember.js by following the simple step-by-step processes

JQuery in Action, Third Edition Yehuda De Rosa 2015 JQuery in Action, Third Edition, is a fast-paced and complete guide to jQuery, focused on the tasks you'll face in nearly any web dev project. Written for readers with minimal JavaScript experience, this revised edition adds new examples and exercises, along with the deep and practical coverage you expect from an In Action book. You'll learn how to traverse HTML documents, handle events, perform animations, write plugins, and even unit test your code. The unique lab pages anchor each concept with real-world code. Several new chapters teach you how to interact with other tools and frameworks to build modern single-page web applications. About the Book Thanks to jQuery, no one remembers the bad old days when programmers manually managed browser inconsistencies, CSS selectors support, and DOM navigation, and when every animation was a frustrating exercise in raw JavaScript. The elegant, intuitive jQuery library beautifully manages these concerns, and jQuery 3 adds even more features to make your life as a web developer smooth and productive. jQuery in Action, Third Edition is a fast-paced guide to jQuery, focused on the tasks you'll face in nearly any web dev project. In it, you'll learn how to traverse the DOM, handle events, perform animations, write jQuery plugins, perform Ajax requests, and even unit test your code. Its unique Lab Pages anchor each concept in real-world code. This expanded Third Edition adds new chapters that teach you how to interact with other tools and frameworks and build modern single-page web applications. What's Inside Updated for jQuery 3 DOM manipulation and event handling Animations and effects Advanced topics including Unit Testing and Promises Practical examples and labs About the Reader Readers are assumed to have only beginning-level JavaScript knowledge. About the Author Bear Bibeault is coauthor of Secrets of the JavaScript Ninja, Ajax in Practice, and Prototype and Scriptaculous in Action . Yehuda Katz is an early contributor to jQuery and cocreator of Ember.js. Aurelio De Rosa is a full-stack web developer and a member of the jQuery content team.

Node.js Blueprints Krasimir Tsonev 2014-06-16 A straightforward, practical guide containing step-by-step tutorials that will push your Node.js programming

skills to the next level. If you are a web developer with experience in writing client-side JavaScript and want to discover the fascinating world of Node.js to develop fast and efficient web and desktop applications, then this book is for you.

Elm in Action Richard Feldman 2020-04-04 Summary Elm is more than just a cutting-edge programming language, it's a chance to upgrade the way you think about building web applications. Once you get comfortable with Elm's refreshingly different approach to application development, you'll be working with a clean syntax, dependable libraries, and a delightful compiler that essentially eliminates runtime exceptions. Elm compiles to JavaScript, so your code runs in any browser, and Elm's best-in-class rendering speed will knock your socks off. Let's get started! Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications. About the technology Simply put, the Elm programming language transforms the way you think about frontend web development. Elm's legendary compiler is an incredible assistant, giving you the precise and user-friendly support you need to work efficiently. Elm applications have small bundle sizes that run faster than JavaScript frameworks and are famously easy to maintain as they grow. The catch? Elm isn't JavaScript, so you'll have some new skills to learn. About the book Elm in Action teaches you the Elm language along with a new approach to coding frontend applications. Chapter by chapter, you'll create a full-featured photo-browsing app, learning as you go about Elm's modular architecture, Elm testing, and how to work seamlessly with your favorite JavaScript libraries. You'll especially appreciate author and Elm core team member Richard Feldman's unique insights, based on his thousands of hours writing production code in Elm. When you're done, you'll have a toolbox of new development skills and a stunning web app for your portfolio. What's inside Scalable design for production web applications Single-page applications in Elm Data modeling in Elm Accessing JavaScript from Elm About the reader For web developers with no prior experience in Elm or functional programming. About the author Richard Feldman is a software engineer at NoRedInk and a well-known member of the Elm community. Table of Contents PART 1 - GETTING STARTED 1. Welcome to Elm 2. Your first Elm application 3. Compiler as assistant PART 2 - PRODUCTION-GRADE ELM 4. Talking to servers 5. Talking to JavaScript 6. Testing PART 3 - BUILDING BIGGER 7. Data modeling 8. Single-page applications

Meteor in Action Stephan Hochhaus 2015-09-17 Summary Meteor in Action teaches you full-stack web development using the Meteor platform. It starts with an overview of a Meteor application, revealing the unique nature of Meteor's end-to-end application model. Then you'll dive into the Blaze templating engine, discover Meteor's reactive data sources model, learn simple and advanced routing techniques, and practice managing users, permissions, and roles. Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications. About the Book You might call Meteor a reactive, isomorphic, full-stack web development framework. Or, like most developers who have tried it, you might just call it awesome. Meteor is a JavaScript-based framework for both client and server web and mobile applications. Meteor applications react to changes in data instantly, so you get impossibly responsive user experiences, and the consistent build process, unified front- and back-end package system, and one-command deploys save you time at every step from design to release. Meteor in Action teaches you full-stack web development with Meteor. It starts by revealing the unique nature of Meteor's end-to-end application model. Through real-world scenarios, you'll dive into the Blaze templating engine, discover Meteor's reactive data sources

model, learn routing techniques, and practice managing users, permissions, and roles. Finally, you'll learn how to deploy Meteor on your server and scale efficiently. What's Inside Building your first real-time application Using MongoDB and other reactive data sources Creating applications with Iron Router Deploying and scaling your applications About the Reader Readers need to know the basics of JavaScript and understand general web application design. About the Authors Stephan Hochhaus and Manuel Schoebel are veteran web developers who have worked with Meteor since its infancy. Table of Contents PART 1 LOOK—A SHOOTING STAR! A better way to build apps My fridge! A reactive gamePART 2 3, 2, 1—IMPACT! Working with templates Working with data Fully reactive editing Users, authentications, and permissions Exchanging data Routing using Iron.Router The package system Advanced server methods PART 3 LEAVING THE CRATER Building and debugging Going into production

Data Action Sarah Williams 2020-12-08 How to use data as a tool for empowerment rather than oppression. Big data can be used for good, from tracking disease to exposing human rights violations, and for bad, implementing surveillance and control. Data inevitably represents the ideologies of those who control its use; data analytics and algorithms too often exclude women, the poor, and ethnic groups. In *Data Action*, Sarah Williams provides a guide for working with data in more ethical and responsible ways. Too often data has been used--and manipulated--to make policy decisions without much stakeholder input. Williams outlines a method that emphasizes collaboration among data scientists, policy experts, data designers, and the public. This approach creates trust and co-ownership in the data by opening the process to those who know the issues best.

Spring MVC: Designing Real-World Web Applications Shameer Kunjumohamed 2016-11-11 Unleash the power of Spring MVC and build enterprise-grade, lightning-fast web applications About This Book Configure Spring MVC to build logic-less controllers that transparently support the most advanced web techniques Secure your developments with easy-to-write, reliable unit and end-to-end tests Get this fast-paced, practical guide to produce REST resources and templates as required by the latest front-end best practices Who This Book Is For This Learning Path is for Java developers who want to exploit Spring MVC and its features to build web applications. It will help you step up in your career and stay up to date or learn more about Spring's web scalability. What You Will Learn Set up and build standalone and web-based projects using Spring Framework with Maven or Gradle Develop RESTful API applications for XML and JSON data transfers Investigate Spring data access mechanisms with Spring Data Repositories Generate templates for a responsive and powerful front end with AngularJS and Bootstrap Authenticate over REST with a BASIC authentication scheme and OAuth2; handle roles and permissions Communicate through WebSocket and STOMP messages Design complex advanced-level forms and validate the model Create maintainable unit and acceptance tests to secure the apps Deploy the web application to the cloud in a snap In Detail Spring MVC helps you build flexible and loosely coupled web applications. The Spring MVC Framework is designed in such a way that every piece of logic and functionality is highly configurable. This Learning Path aims to make you an expert in designing web applications with Spring MVC 4. In our first module, we'll begin with an introduction to the Spring framework. You'll then learn aspect-oriented programming. Packed with real-world examples, you'll get an insight into how you can use Spring Expression Language in your applications to make them easier to manage and maintain. In the second module, you'll learn everything you need to build modern Spring-based enterprise web applications. From practical development techniques and useful tools from the wider Spring ecosystem, to the

new JEE standards, the impact of JavaScript, and even the Internet of Things, you'll feel confident that you can deploy Spring for an impressive range of creative purposes. In the final module, you'll find out how to take advantage of Spring MVC's advanced features - essential if you are to properly master the framework. To do this you'll investigate the inner mechanics of Spring MVC, and how they tie into to the broader principles that inform many modern web architectures. With further guidance on how to test, secure, and optimize your application, as well as designing RESTful services, you'll very quickly be ready to use Spring in your next web project. This Learning Path combines some of the best that Packt has to offer in one complete, curated package. It includes content from the following Packt products: Spring Essentials by Shameer Kunjumohamed, Hamidreza Sattari Spring MVC Cookbook by Alex Bretet Mastering Spring MVC 4 by Geoffroy Warin Style and approach This is a hands-on, practical guide based on logical modules of the whole Spring framework family, employing a combination of theory and examples with pro-level practices, techniques, and solutions.

The City of Ember Jeanne DuPrau 2003-05-13 A modern-day classic. This highly acclaimed adventure series about two friends desperate to save their doomed city has captivated kids and teachers alike for almost fifteen years and has sold over 3.5 MILLION copies! The city of Ember was built as a last refuge for the human race. Two hundred years later, the great lamps that light the city are beginning to flicker. When Lina finds part of an ancient message, she's sure it holds a secret that will save the city. She and her friend Doon must race to figure out the clues before the lights go out on Ember forever! Nominated to 28 State Award Lists! An American Library Association Notable Children's Book A New York Public Library 100 Titles for Reading and Sharing Selection A Kirkus Reviews Editors' Choice A Child Magazine Best Children's Book A Mark Twain Award Winner A William Allen White Children's Book Award Winner "A realistic post-apocalyptic world. DuPrau's book leaves Doon and Lina on the verge of undiscovered country and readers wanting more." -USA Today "An electric debut." -Publishers Weekly, Starred "While Ember is colorless and dark, the book itself is rich with description." -VOYA, Starred "A harrowing journey into the unknown, and cryptic messages for readers to decipher." -Kirkus Reviews, Starred

BDD in Action John Smart 2014-09-29 Summary BDD in Action teaches you the Behavior-Driven Development model and shows you how to integrate it into your existing development process. First you'll learn how to apply BDD to requirements analysis to define features that focus your development efforts on underlying business goals. Then, you'll discover how to automate acceptance criteria and use tests to guide and report on the development process. Along the way, you'll apply BDD principles at the coding level to write more maintainable and better documented code. Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications. About the Technology You can't write good software if you don't understand what it's supposed to do. Behavior-Driven Development (BDD) encourages teams to use conversation and concrete examples to build up a shared understanding of how an application should work and which features really matter. With an emerging body of best practices and sophisticated new tools that assist in requirement analysis and test automation, BDD has become a hot, mainstream practice. About the Book BDD in Action teaches you BDD principles and practices and shows you how to integrate them into your existing development process, no matter what language you use. First, you'll apply BDD to requirements analysis so you can focus your development efforts on underlying business goals. Then, you'll

discover how to automate acceptance criteria and use tests to guide and report on the development process. Along the way, you'll apply BDD principles at the coding level to write more maintainable and better documented code. No prior experience with BDD is required. What's Inside BDD theory and practice How BDD will affect your team BDD for acceptance, integration, and unit testing Examples in Java, .NET, JavaScript, and more Reporting and living documentation About the Author John Ferguson Smart is a specialist in BDD, automated testing, and software lifecycle development optimization. Table of Contents PART 1: FIRST STEPS Building software that makes a difference BDD—the whirlwind tour PART 2: WHAT DO I WANT? DEFINING REQUIREMENTS USING BDD Understanding the business goals: Feature Injection and related techniques Defining and illustrating features From examples to executable specifications Automating the scenarios PART 3: HOW DO I BUILD IT? CODING THE BDD WAY From executable specifications to rock-solid automated acceptance tests Automating acceptance criteria for the UI layer Automating acceptance criteria for non-UI requirements BDD and unit testing PART 4: TAKING BDD FURTHER Living Documentation: reporting and project management BDD in the build process

Rails 4 in Action Rebecca Skinner 2015-08-30 Summary Rails 4 in Action is a comprehensive introduction to Rails that guides you hands-on through all you'll need to become a competent and confident Rails developer. In it, you'll master Rails 4 by developing a ticket-tracking application that includes RESTful routing, authentication and authorization, file uploads, email, and more. Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications. About the Book Rails is a full-stack, open source web framework powered by Ruby. Now in version 4, Rails is mature and powerful, and to use it effectively you need more than a few Google searches. You'll find no substitute for the guru's-eye-view of design, testing, deployment, and other real-world concerns that this book provides. Rails 4 in Action is a hands-on guide to the subject. In this fully revised new edition, you'll master Rails 4 by developing a ticket-tracking application that includes RESTful routing, authentication and authorization, file uploads, email, and more. Learn to design your own APIs and successfully deploy a production-quality application. You'll see test-driven development and behavior-driven development in action throughout the book, just like in a top Rails shop. What's Inside Creating your own APIs Using RSpec and Capybara Emphasis on test-first development Fully updated for Rails 4 About the Reader For readers of this book, a background in Ruby is helpful but not required. No Rails experience is assumed. About the Authors Ryan Bigg, Yehuda Katz, Steve Klabnik, and Rebecca Skinner are contributors to Rails and active members of the Rails community. Table of Contents Ruby on Rails, the framework Testing saves your bacon Developing a real Rails application Oh, CRUD! Nested resources Authentication Basic access control Fine-grained access control File uploading Tracking state Tagging Sending email Deployment Designing an API Rack-based applications

Aurelia in Action Sean Hunter 2018-07-24 Summary Aurelia in Action teaches you how to build fantastic single-page applications with the Aurelia framework. You'll learn about modern design practices and a modular architecture based on web components, perfect for hybrid web + mobile apps. Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications. About the Technology Try Aurelia, and you may not go back to your old web framework. Flexible and efficient, Aurelia enforces modern design practices and a modular architecture based on web components. It's perfect for hybrid web + mobile apps, with hot features like dynamic routes, pluggable

pipelines, and APIs for nearly every flavor of JavaScript. About the Book Aurelia in Action teaches you how to build extraordinary web applications using the Aurelia framework. You'll immediately take advantage of key elements like web components and decorators when you start to explore the book's running example: a virtual bookshelf. As the app unfolds, you'll dig into templating and data binding the Aurelia way. To complete the project, you'll take on routing and HTTP, along with tuning, securing, and deploying your finished product. What's Inside Templating and data-binding Communication between components Server-side and SPA design techniques View composition About the Reader Written for developers comfortable with JavaScript and MVC-style web development. About the Author Sean Hunter is a web developer with nearly 10 years of experience. He's extremely passionate about all things Aurelia and has been working with the framework in production since the early beta days. Sean got a taste for teaching developers how to get started with Aurelia while visiting user groups across the UK, and he's been excited to expand on this teaching effort with this book. These days, Sean is working in a variety of web-development technologies with companies across Australia, and he blogs at <https://sean-hunter.io>. Table of Contents PART 1 - INTRODUCTION TO AURELIA Introducing Aurelia Building your first Aurelia application PART 2 - EXPLORING AURELIA View resources, custom elements, and custom attribute Aurelia templating and data bindin Value converters and binding behaviors Intercomponent communication Working with forms Working with HTTP Routing Authentication Dynamic composition Web Components and Aurelia Extending Aurelia Animation PART 3 - AURELIA IN THE REAL WORLD Testing Deploying Aurelia applications

Deliver Audacious Web Apps with Ember 2 Matthew White 2015-10-13 It's time for web development to be fun again, time to write engaging and attractive apps--fast--in this brisk tutorial. Build a complete user interface in a few lines of code, create reusable web components, access RESTful services and cache the results for performance, and use JavaScript modules to bring abstraction to your code. Find out how you can get your crucial app infrastructure up and running quickly, so you can spend your time on the stuff great apps are made of: features. With its 2.0 release, the Ember JavaScript framework has taken a major step forward. In this book, you'll learn these new features: how to use module-driven development with Ember CLI, take advantage of the new DOM-based rendering engine, and use a service-based architecture to make your apps flexible, not brittle. Use the Ember CLI to build your app using module-focused JavaScript classes with a clear project structure. Learn how to use Ember's routing classes to organize your app, write web components that marry your user interface and logic without leaky access to state, and read and write data from RESTful services with almost no code. Make use of services to encapsulate logic and inject it throughout your app, and use Ember CLI to rapidly iterate changes, deploy locally, test your code, and build for production. You'll learn all the essentials of working with Ember. If you're tired of feeling limited by your web development tools, unleash your ambition and start creating ambitious web applications with Ember. What You Need: You need Ember, Ember CLI, Google Chrome or Mozilla Firefox, and a text editor.

Dart in Action Chris Buckett 2013-01-15 Summary Dart in Action introduces Google's Dart language and provides techniques and examples showing how to use it as a viable replacement for Java and JavaScript in browser-based desktop and mobile applications. It begins with a rapid overview of Dart language and tools, including features like interacting with the browser, optional typing, classes, libraries, and concurrency with isolates. After you master the core

concepts, you'll move on to running Dart on the server and creating single page HTML5 web applications. About the Technology Dart is a web programming language developed by Google. It has modern OO features, just like Java or C#, while keeping JavaScript's dynamic and functional characteristics. Dart applications are "transpiled" to JavaScript, and they run natively in Dart-enabled browsers. With production-quality libraries and tools, Dart operates on both the client and the server for a consistent development process. About this Book Dart in Action introduces the Dart language and teaches you to use it in browser-based, desktop, and mobile applications. Not just a language tutorial, this book gets quickly into the nitty-gritty of using Dart. Most questions that pop up while you're reading are answered on the spot! OO newbies will appreciate the gentle pace in the early chapters. Later chapters take a test-first approach and encourage you to try Dart hands-on. To benefit from this book you'll need experience with HTML and JavaScript? a Java or C# background is helpful but not required. Purchase of the print book comes with an offer of a free PDF, ePub, and Kindle eBook from Manning. Also available is all code from the book. What's Inside Dart from the ground up Numerous code samples and diagrams Creating single-page web apps Transitioning from Java, C#, or JavaScript Running Dart in the browser and on the server About the Author Chris Buckett builds enterprise-scale web applications. He runs Dartwatch.com and is an active contributor to the dartlang list. "Includes numerous examples of core language features as well as more advanced HTML5 features."-;From the Foreword by Seth Ladd, Developer Advocate, Google Table of Contents PART 1 INTRODUCING DART Hello Dart "Hello World" with Dart tools Building and testing your own Dart app PART 2 CORE DART Functional first-class functions and closures Understanding libraries and privacy Constructing classes and interfaces Extending classes and interfaces Collections of richer classes Asynchronous programming with callbacks and futures PART 3 CLIENT-SIDE DART APPS Building a Dart web app Navigating offline data Communicating with other systems and languages PART 4 SERVER-SIDE DART Server interaction with files and HTTP Sending, syncing, and storing data Concurrency with isolates

Building Web Apps with Ember.js Jesse Cravens 2014-07-09 If you're a web developer interested in building scalable single-page applications—full-stack, browser-based apps that connect to a backend—this practical guide shows you how to use Ember.js, the popular JavaScript framework based on the model-view-controller (MVC) architectural pattern. Through the course of the book, you'll learn how to build a prototype Ember application (a musician index called Rock'n'Roll Call), using routers, templates, models, controllers, and views. You'll also understand how Ember's convention over configuration approach helps you persist data, build backend technologies, and create widgets for developing production-capable applications that behave like desktop software. Set up workflow management and boilerplate code creation Learn how Ember's "developer ergonomics" help you use less code Write templates for the book's prototype with Handlebars.js Use routers to manage application states without reloading the page Connect controllers and views with events, and sync data with data-binding Build an Ember backend with a RESTful API or Ruby on Rails Use the Ember-Data library to persist data and talk to the backend Write reusable encapsulated widgets to extend your applications

HTML5 in Action Greg Wanish 2014-02-09 Summary HTML5 in Action provides a complete introduction to web development using HTML5. You'll explore every aspect of the HTML5 specification through real-world examples and code samples. It's much more than just a specification reference, though. It lives up to the name HTML5 in Action by giving you the practical, hands-on guidance you'll need

to use key features. About the Technology HTML5 is not a few new tags and features added to an old standard—it's the foundation of the modern web, enabling its interactive services, single-page UI, interactive games, and complex business applications. With support for standards-driven mobile app development, powerful features like local storage and WebSockets, superb audio and video APIs, and new layout options using CSS3, SVG, and Canvas, HTML5 has entered its prime time. About the Book HTML5 in Action provides a complete introduction to web development using HTML5. It explores the HTML5 specification through real-world examples and code samples. It earns the name "in Action" by giving you the practical, hands-on guidance you'll need to confidently build the sites and applications you—and your clients—have been wanting for years. This book concentrates on new HTML5 features and assumes you are familiar with standard HTML. Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications. What's Inside New semantic elements and form input types Single-page application design Creating interactive graphics Mobile web apps About the Authors Rob Crowther is a web developer and blogger and the author of Manning's Hello! HTML5 & CSS3. Joe Lennon is an enterprise mobile application developer. Ash Blue builds award-winning interactive projects. Greg Wanish is an independent web and eCommerce developer. Table of Contents PART 1 INTRODUCTION HTML5: from documents to applications PART 2 BROWSER-BASED APPS Form creation: input widgets, data binding, and data validation File editing and management: rich formatting, file storage, drag and drop Messaging: communicating to and from scripts in HTML5 Mobile applications: client storage and offline execution PART 3 INTERACTIVE GRAPHICS, MEDIA, AND GAMING 2D Canvas: low-level, 2D graphics rendering SVG: responsive in-browser graphics Video and audio: playing media in the browser WebGL: 3D application development Plus 10 Appendixes

Scalatra in Action Ross Baker 2016-05-04 Summary Scalatra in Action introduces the Scalatra framework and the Sinatra model. It covers the framework in its entirety, starting with concepts like request routing, input handling, actions, and HTTP responses, then proceeds to more advanced topics, such as data access, handling heavy load, asynchronicity, securing applications, designing and documenting RESTful APIs, and real-time web programming. Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications. About the Technology Scalatra is a lightweight Scala web framework similar to the popular Ruby-based Sinatra. It's perfect for running real-time applications on multicore servers, and is a fast way to spin up web apps and build HTTP APIs for mobile, Backbone.js, and AngularJS apps. About the Book Scalatra in Action covers the Scalatra framework in its entirety, starting with concepts such as request routing, input handling, actions, and HTTP responses. For readers who don't already know Scala, the book introduces the Scala language and sbt, the Simple Build Tool. You'll learn how to use Scalatra's powerful templating engine, Scalate. It also covers advanced topics such as data access, handling heavy load, asynchronicity, securing your application, designing RESTful APIs, and real-time web programming. What's Inside Make clean templates using Scalate Integrate with libraries that supplement Scalatra Write tests using Specs2 Integrate Scalatra with databases About the Reader Readers should be familiar with the basics of HTTP, REST, and web applications. No experience with Scalatra, Sinatra, or Scala is required. About the Authors Dave Hrycyszyn is technical director for a London-based agency specializing in agile software design and development. Stefan Ollinger is an active Scalatra contributor. Ross A. Baker is a Senior Cloud Engineer, a Scalate commiter, and organizer of the Indy Scala meetup. Table of Contents PART 1 INTRODUCTION TO SCALATRA Introduction A taste of Scalatra Routing

Working with user input PART 2 COMMON DEVELOPMENT TASKS Handling JSON Handling files Server-side templating Testing Configuration, build, and deployment Working with a database PART 3 ADVANCED TOPICS Authentication Asynchronous programming Creating a RESTful JSON API with Swagger

jQuery UI in Action TJ VanToll 2014-09-29 Summary jQuery UI in Action is a practical guide to using and customizing jQuery UI library components to build rich, user-friendly web applications. By working through numerous engaging examples, you'll move quickly from placing a datepicker on the page to building a complete user interface that includes features like a contact form and shopping cart. You'll master jQuery UI's five main interactions—draggable, droppable, resizable, selectable, and sortable—and learn UI techniques that work across all devices. Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications. About the Book You're only one tag away from richer user interfaces – `<script src="jquery-ui.js">`. The jQuery UI library simplifies web UI development by providing robust widgets, interactions, and effects you can use immediately. It includes datepickers, autocompletes, tooltips, and a whole lot more. And, jQuery UI's powerful widget factory makes it a snap to customize existing components to meet your needs. jQuery UI in Action is a practical guide to using and customizing jQuery UI library components. By working through numerous examples, you'll quickly master jQuery UI's twelve widgets and five interactions—draggable, droppable, resizable, selectable, and sortable. The engaging examples illustrate techniques that work across all devices. You'll use the widget factory to create reusable plugins and discover jQuery UI's CSS theming system that allows you to create a custom, cohesive look for your sites and your applications. Written for front-end developers and web designers with a basic understanding of jQuery. What's Inside Create interactions that work on any device Customizable widgets for web and mobile apps Written by a member of the core jQuery UI team Covers jQuery UI 1.11 About the Author A professional web developer, TJ VanToll is a member of the jQuery UI core team. Table of Contents PART 1 MEET JQUERY UI Introducing jQuery UI Enhancing UIs with widgetsPART 2 JQUERY UI CORE Building complex web forms with jQuery UI Enhancing interfaces with layout and utility widgets Adding interaction to your interfaces Creating rich animations with effects Theming and styling applications with jQuery UI PART 3 CUSTOMIZATION AND ADVANCED USAGE Using the widget factory to build stateful plugins Extending widgets with the widget factory Preparing your application for production Building a flight-search application Under the hood of jQuery UI

Ember.js in Action Joachim Haagen Skeie 2014-06-09 Summary Ember.js in Action is a crisp tutorial that introduces the Ember.js framework and shows you how to build production-quality web applications. You'll begin with the basic architecture: client- and server-side MVC, integrating Ember.js with your favorite back end, handling data ... and more. You'll explore the amazing Handlebars templating engine that automatically updates your apps when the data behind them changes. Along the way, you'll develop a complete Ember.js application and learn how to deploy, administer, and update it efficiently. Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications. About the Technology Ember.js is a JavaScript MVC framework that handles important tasks like managing code modules, maintaining state, and expediting reliable data flow. It provides the patterns, components, and scaffolding you need to build ambitious web applications. About the Book Ember.js in Action introduces the Ember.js framework and shows you how to build full-featured, desktop-quality web

applications. You'll begin with the basic architecture: client- and server-side MVC and how to integrate Ember.js with your favorite back end. Then you'll explore the amazing Handlebars templating engine that automatically updates your apps when the data behind them changes. Along the way, you'll develop a complete Ember.js application and learn how to deploy, administer, and update it efficiently. Readers of this book need to know JavaScript. No prior experience with Ember.js is required. What's Inside Working with Ember Data Mastering Handlebars templates Advanced JavaScript techniques Covers Ember.js 1.0 About the Author Joachim Haagen Skeie is an experienced web application developer and the author of Montric, an open source monitoring tool built using Ember.js. Table of Contents PART 1 EMBER.JS FUNDAMENTALS Powering your next ambitious web application The Ember.js way Putting everything together using Ember.js Router Automatically updating templates with Handlebars.js PART 2 BUILDING AMBITIOUS WEB APPS FOR THE REAL WORLD Bringing home the bacon—interfacing with the server side using Ember Data Interfacing with the server side without using Ember Data Writing custom components Testing your Ember.js application PART 3 ADVANCED EMBER.JS TOPICS Authentication through a third-party system—Mozilla Persona The Ember.js run loop—Backburner.js Packaging and deployment

Learning JavaScript Design Patterns Addy Osmani 2012-07-08 With *Learning JavaScript Design Patterns*, you'll learn how to write beautiful, structured, and maintainable JavaScript by applying classical and modern design patterns to the language. If you want to keep your code efficient, more manageable, and up-to-date with the latest best practices, this book is for you. Explore many popular design patterns, including Modules, Observers, Facades, and Mediators. Learn how modern architectural patterns—such as MVC, MVP, and MVVM—are useful from the perspective of a modern web application developer. This book also walks experienced JavaScript developers through modern module formats, how to namespace code effectively, and other essential topics. Learn the structure of design patterns and how they are written Understand different pattern categories, including creational, structural, and behavioral Walk through more than 20 classical and modern design patterns in JavaScript Use several options for writing modular code—including the Module pattern, Asynchronous Module Definition (AMD), and CommonJS Discover design patterns implemented in the jQuery library Learn popular design patterns for writing maintainable jQuery plug-ins "This book should be in every JavaScript developer's hands. It's the go-to book on JavaScript patterns that will be read and referenced many times in the future."—Andrée Hansson, Lead Front-End Developer, presis!

Ext JS in Action Grgur Grisogono 2014-01-29 Summary *Ext JS in Action*, Second Edition teaches Ext JS from the ground up. You'll start with a quick overview of the framework and then explore the core components by diving into complete examples, engaging illustrations, and crisp, straightforward explanations. You'll feel like you have an expert guide right at your elbow teaching you important Ext techniques and offering insight into its inner workings. Along the way, you'll learn the best practices for building and scaling full-featured web applications, including how to customize and build Ext widgets. Fully revised for Ext JS 4.0. About this Book Ext JS is a mature JavaScript web application framework that provides modern UI widgets and an advanced MVC architecture. It helps you manage tedious boilerplate and minimize hand-coded HTML and browser incompatibilities. *Ext JS in Action*, Second Edition starts with a quick overview of the framework and then explores the core components by diving into complete examples, engaging illustrations, and clear explanations. You'll feel like you have an expert guide at your elbow as you learn the best

practices for building and scaling full-featured web applications. A working knowledge of JavaScript is assumed. No prior experience with Ext JS is required. Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications. What's Inside Building professional web apps with Ext JS Stamping out DOM fragments with templates Customizing and building Ext widgets Masterful UI design Fully revised for Ext JS version 4.0 About the Authors Jay Garcia is a well-known member of the Ext JS community and a contributor to the framework. He wrote Sencha Touch in Action. Grgur Grisogono founded SourceDevCon in London, UK and Split, Croatia. Jacob Andresen is a consultant specializing in large scale internet applications. Table of Contents PART 1 INTRODUCTION TO EXT JS 4.0 A framework apart DOM manipulation Components and containers PART 2 EXT JS COMPONENTS Core UI components Exploring layouts Forms in Ext JS The data store The grid panel Taking root with trees Drawing and charting Remote method invocation with Ext Direct Drag-and-drop PART 3 BUILDING AN APPLICATION Class system foundations Building an application

Node.js in Action Mike Cantelon 2013-07-28 Provides information on using Node.js to build scalable Web applications, covering such topics as asynchronous programming, data storage, and output templating.

The Road to React Robin Wieruch 2017-11-15 LAST UPDATE: 28. September 2022 If you are looking for a comprehensive and pragmatic yet concise and up-to-date React.js feat. Hooks book, the Road to React is for you. What you will learn. In "The Road to React" you will learn about all the fundamentals of React.js with Hooks while building a full-blown React application step by step. While you create the React application, every chapter will introduce you to a new React key feature. However, there is more than only the fundamentals: The book dives into related topics (e.g. React with TypeScript, Testing, Performance Optimizations) and advanced feature implementations like client- and server-side searching. At the end of the book, you will have a fully working deployed React application. Is it up to date? Programming books are usually outdated soon after their release, but since this book is self-published, I can update it as needed whenever a new version of something related to this book gets released. I am a beginner. Is this book for me? Yes. The book starts from zero and takes you through the learning experience step by step. Every chapter builds up on the learnings from the previous chapter. In addition, at the end of every chapter, exercises fortify your lessons learned. If you got stuck in a chapter, you will always find a reference URL to the status quo of the actual code. Core Concepts Pragmatic: Master React while building a complete application step by step. Problems Solving: You need to experience a problem first before solving it. The Why: Readers like how the book answers the Why, not only the How. Table of Contents Fundamentals of React Hello React Requirements Setting up a React Project Meet the React Component React JSX Lists in React Meet another React Component React Component Instantiation ReactDOM React Component Definition (Advanced) Handler Function in JSX React Props React State Callback Handlers in JSX Lifting State in React React Controlled Components Props Handling (Advanced) React Side-Effects React Custom Hooks (Advanced) React Fragments Reusable React Component React Component Composition Imperative React Inline Handler in JSX React Asynchronous Data React Conditional Rendering React Advanced State React Impossible States Data Fetching with React Data Re-Fetching in React Memoized Handler in React (Advanced) Explicit Data Fetching with React Third-Party Libraries in React Async/Await in React (Advanced) Forms in React React's Legacy React Class Components React Class Components: State Imperative React Styling in React CSS in React CSS Modules in React Styled Components in React SVGs in React React

Maintenance Performance in React (Advanced) TypeScript in React Unit Testing to Integration Testing React Project Structure Real World React (Advanced) Sorting Reverse Sort Remember Last Searches Paginated Fetch Deploying a React Application Build Process Deploy to Firebase

AngularJS in Action Lukas Ruebbelke 2015-07-01 Summary AngularJS in Action covers everything you need to know to get started with the AngularJS framework. As you read, you'll explore all the individual components of the framework and learn how to customize and extend them. You'll discover the emerging patterns for web application architecture and tackle required tasks like communicating with a web server back-end. Along the way, you'll see AngularJS in action by building real world applications with thoroughly commented code. Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications. About the Technology AngularJS is a JavaScript-based framework that extends HTML, so you can create dynamic, interactive web applications in the same way you create standard static pages. Out of the box, Angular provides most of the functionality you'll need for basic apps, but you won't want to stop there. Intuitive, easy to customize, and test-friendly, Angular practically begs you to build more interesting apps. About the Book AngularJS in Action teaches you everything you need to get started with AngularJS. As you read, you'll learn to build interactive single-page web interfaces, apply emerging patterns like MVVM, and tackle key tasks like communicating with back-end servers. All examples are supported by clear explanations and illustrations along with fully annotated code listings. This book assumes you know at least some JavaScript. No prior exposure to AngularJS is required. What's Inside Get started with AngularJS Write your own components Best practices for application architecture Progressively build a full-featured application Covers Angular JS 1.3 Sample application updated to the latest version of Angular About the Author Lukas Ruebbelke is a full-time web developer and an active contributor to the AngularJS community. Table of Contents PART 1 GET ACQUAINTED WITH ANGULARJS Hello AngularJS Structuring your AngularJS applicationPART 2 MAKE SOMETHING WITH ANGULARJS Views and controllers Models and services Directives Animations Structuring your site with routes Forms and validations APPENDIXES Setting up Karma Setting up a Node.js server Setting up a Firebase server Running the app

Vue.js in Action Erik Hanchett 2018-09-10 Vue.js is a front-end framework that builds on many of the reactive UI ideas introduced in React.js. Vue.js in Action teaches readers to build fast, flowing web UI with the Vue.js framework. As they move through the book, readers put their skills to practice by building a complete web store application with product listings, a checkout process, and an administrative interface! Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications.

D3.js in Action Elijah Meeks 2015-03-03 Summary D3.js in Action is a practical tutorial for creating interactive graphics and data-driven applications using D3.js. You'll start with in-depth explanations of D3's out-of-the-box layouts, along with dozens of practical use cases that align with different types of visualizations. Then, you'll explore practical techniques for content creation, animation, and representing dynamic data—including interactive graphics and data streamed live over the web. The final chapters show you how to use D3's rich interaction model as the foundation for a complete web application. In the end, you'll be ready to integrate D3.js into your web development process and transform any site into a more engaging and sophisticated user experience. Purchase of the print book includes a free eBook in PDF, Kindle, and ePub

formats from Manning Publications. About the Technology D3.js is a JavaScript library that allows data to be represented graphically on a web page. Because it uses the broadly supported SVG standard, D3 allows you to create scalable graphs for any modern browser. You start with a structure, dataset, or algorithm and programmatically generate static, interactive, or animated images that responsively scale to any screen. About the Book D3.js in Action introduces you to the most powerful web data visualization library available and shows you how to use it to build interactive graphics and data-driven applications. You'll start with dozens of practical use cases that align with different types of charts, networks, and maps using D3's out-of-the-box layouts. Then, you'll explore practical techniques for content design, animation, and representation of dynamic data—including interactive graphics and live streaming data. What's Inside Interacting with vector graphics Expressive data visualization Creating rich mapping applications Prepping your data Complete data-driven web apps in D3 Readers need basic HTML, CSS, and JavaScript skills. No experience with D3 or SVG is required. About the Author Elijah Meeks is a senior data visualization engineer at Netflix. His D3.js portfolio includes work at Stanford University and with well-known companies worldwide. Table of Contents PART 1 D3.JS FUNDAMENTALS An introduction to D3.js Information visualization data flow Data-driven design and interaction PART 2 THE PILLARS OF INFORMATION VISUALIZATION Chart components Layouts Network visualization Geospatial information visualization Traditional DOM manipulation with D3 PART 3 ADVANCED TECHNIQUES Composing interactive applications Writing layouts and components Big data visualization D3.js on mobile (available online only)

Introduction to React Cory Gackenheimer 2015-09-11 Introduction to React teaches you React, the JavaScript framework created by developers at Facebook, to solve the problem of building complex user interfaces in a consistent and maintainable way. React.js shrugs away common front-end conventions in an effort to make things more efficient - use Introduction to React to learn about this framework and more today. Get to know the React API and it's specific JavaScript extension, JSX, which makes authoring React components easier and maintainable. You will also learn how to test your React applications and about the tools you can use while building. Once you understand these core concepts, you can build applications with React. This will help you cement the ideas and fundamentals of React and prepare you to utilize React in your own use case. What You'll Learn: How to use React to maintain complex user interfaces in an efficient way How to integrate existing user interfaces and move forward with React How to manage application architecture using Flux How to easily utilize JSX, React's JavaScript extension

Pro Ember Data David Tang 2020-12-13 Learn how to work with Ember Data efficiently, from APIs, adapters, and serializers to polymorphic relationships, using your existing JavaScript and Ember knowledge. This book will teach you how to adapt Ember Data to fit your custom API. Have a custom API that you aren't sure how to use with Ember Data? Interested in writing your own adapter or serializer? Want to just know more about how Ember Data works? This is the Ember Data book you have been waiting for. Lots of books and tutorials start off teaching Ember with Ember Data. This is great, especially if you are in control of your API, but what if you aren't? You do a little research and start seeing terminology like adapters, serializers, transforms, and snapshots, and quickly become overwhelmed. Maybe you've thought to yourself that Ember isn't for you. Well, if this sounds familiar, then this book is for you. What You'll Learn Review the differences between normalization and serialization Understand

how the built-in adapters and serializers in Ember Data work Customize adapters and serializers to consume any API and write them from scratch Handle API errors in Ember Data Work with the Reddit API using Ember Data Learn how to use polymorphic relationships Who This Book Is For Anyone with an interest in learning more about Ember Data and how to adapt it to any API. People who read this book should be familiar with the basics of Ember and JavaScript.