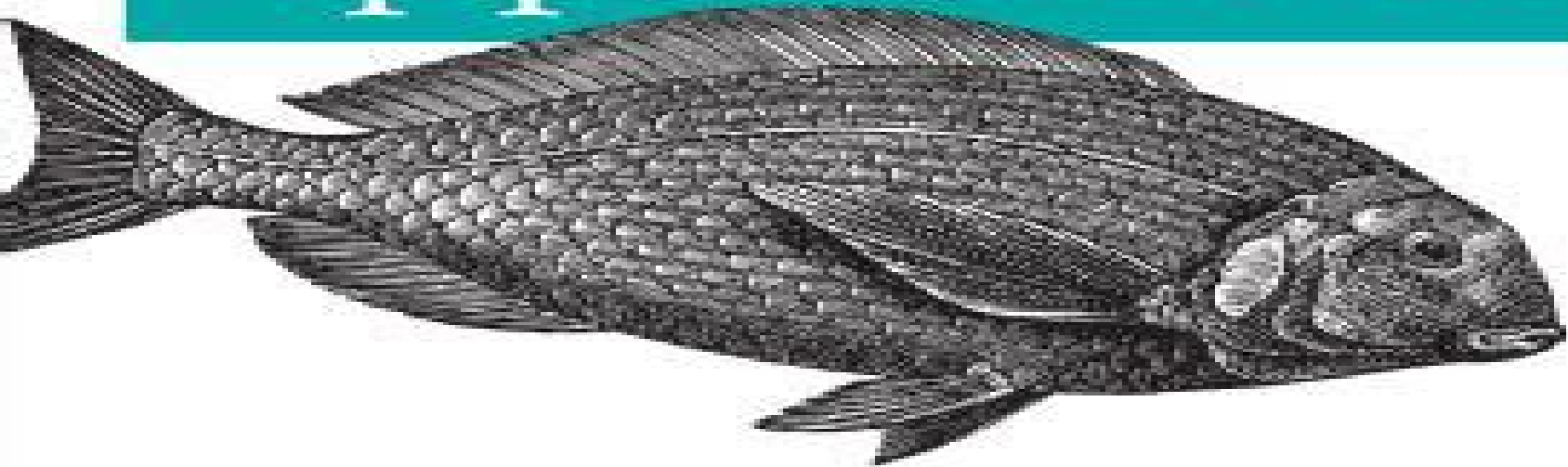


*Developing*

# Backbone.js Applications



**O'REILLY™**

*Addy Osmani*

# Developing Backbone Js Applications Building Better Javascript Applications

**James Sugrue**



## **Developing Backbone Js Applications Building Better Javascript Applications:**

**Developing Backbone.js Applications** Addy Osmani, 2013-05-10 If you want to build your site's frontend with the single page application SPA model this hands on book shows you how to get the job done with Backbone.js You'll learn how to create structured JavaScript applications using Backbone's own flavor of model view controller MVC architecture Start with the basics of MVC SPA and Backbone then get your hands dirty building sample applications a simple Todo list app a RESTful book library app and a modular app with Backbone and RequireJS Author Addy Osmani an engineer for Google's Chrome team also demonstrates advanced uses of the framework Learn how Backbone.js brings MVC benefits to the client side Write code that can be easily read structured and extended Work with the Backbone Marionette and Thorax extension frameworks Solve common problems you'll encounter when using Backbone.js Organize your code into modules with AMD and RequireJS Paginate data for your Collections with the Backbone Paginator plugin Bootstrap a new Backbone.js application with boilerplate code Use Backbone with jQuery Mobile and resolve routing problems between the two Unit test your Backbone apps with Jasmine QUnit and SinonJS

*Developing Backbone.js Applications* Addy Osmani, 2013-05-10 If you want to build your site's frontend with the single page application SPA model this hands on book shows you how to get the job done with Backbone.js You'll learn how to create structured JavaScript applications using Backbone's own flavor of model view controller MVC architecture Start with the basics of MVC SPA and Backbone then get your hands dirty building sample applications a simple Todo list app a RESTful book library app and a modular app with Backbone and RequireJS Author Addy Osmani an engineer for Google's Chrome team also demonstrates advanced uses of the framework Learn how Backbone.js brings MVC benefits to the client side Write code that can be easily read structured and extended Work with the Backbone Marionette and Thorax extension frameworks Solve common problems you'll encounter when using Backbone.js Organize your code into modules with AMD and RequireJS Paginate data for your Collections with the Backbone Paginator plugin Bootstrap a new Backbone.js application with boilerplate code Use Backbone with jQuery Mobile and resolve routing problems between the two Unit test your Backbone apps with Jasmine QUnit and SinonJS

**Developing Backbone.js Applications : Building Better JavaScript Applications** Addy Osmani, 2013 **Building Scalable Apps with Redis and Node.js**

Joshua Johanan, 2014-09-25 If the phrase scalability sounds alien to you then this is an ideal book for you You will not need much Node.js experience as each framework is demonstrated in a way that requires no previous knowledge of the framework You will be building scalable Node.js applications in no time Knowledge of JavaScript is required *Full Stack Web Development with Backbone.js* Patrick Mulder, 2014-06-10 Learn how to build a full stack application with Backbone.js by taking advantage of JavaScript modules workflow automation and Backbone's interface building blocks With this practical guide author Patrick Mulder takes experienced backend developers and JavaScript programmers through the steps necessary to create a fully functional single page application Backbone's rich ecosystem of plugins makes applications easier to design

and scale but knowing which tools to use for your project can be tricky How do you combine views and the data layer with Backbone or serve and deploy JavaScript assets You ll not only learn the answers to these and many other questions you ll also discover Backbone s vast number of use cases Get started quickly by using a Backbone js and Browserify Track state and organize data with Backbone models and collections Capture events from users by using views and manipulating the DOM Combine Backbone views with advanced HTML templates Use Backbone to browse remote data sources from an API Authenticate and authorize client side interactions Build a backend API with Node js and Restify Set up workflow automation with Bower Grunt Yeoman and RequireJS

*Building Node Applications with MongoDB and Backbone* Mike Wilson, 2012-12-11 Build an application from backend to browser with Node js and kick open the doors to real time event programming With this hands on book you ll learn how to create a social network application similar to LinkedIn and Facebook but with a real time twist And you ll build it with just one programming language JavaScript If you re an experienced web developer unfamiliar with JavaScript the book s first section introduces you to the project s core technologies Node js Backbone js and the MongoDB data store You ll then launch into the project a highly responsive highly scalable application guided by clear explanations and lots of code examples Learn about key modules in Node js for building real time apps Use the Backbone js framework to write clean browser code and maintain better data integration with MongoDB Structure project files as a foundation for code that will arrive later Create user accounts and learn how to secure the data Use Backbone js templates to build the application s UIs and integrate access control with Node js Develop a contact list to help users link to and track other accounts Use Socket io to create real time chat functionality Extend your UIs to give users up to the minute information

**Mastering Backbone.js** Abiee Echamea, 2016-01-15 Design and build scalable web applications using Backbone js About This Book Level up your Backbone js skills and create professional web applications with the best practices Use the Backbone js components in the right way and avoid maintenance nightmares Improve your development workflow from application design to deployment Apply the best practices given in this tutorial to solve day to day problems in your applications Who This Book Is For This book is for those developers who know the basic concepts of Backbone js and want to build scalable applications with it If you are looking for the best practices of using Backbone js applied to real work applications this book is for you You will be able to apply architectural principles to create amazing web applications easily What You Will Learn Build web applications that scale with Backbone js Design a powerful architecture that eliminates maintenance nightmares Use common patterns and best practices in Backbone js web applications developments Pack your applications to be deployed to production environments Clean up your code organization to a simple and maintainable architecture Test your components and get confidence with your code Deal with common scenarios like file uploading and login issues In Detail Backbone js is a popular library to build single page applications used by many start ups around the world because of its flexibility robustness and simplicity It allows you to bring your own tools and libraries to

make amazing webapps with your own rules However due to its flexibility it is not always easy to create scalable applications with it By learning the best practices and project organization you will be able to create maintainable and scalable web applications with Backbone js With this book you will start right from organizing your Backbone js application to learn where to put each module and how to wire them From organizing your code in a logical and physical way you will go on to delimit view responsibilities and work with complex layouts Synchronizing models in a two way binding can be difficult and with sub resources attached it can be even worse The next chapter will explain strategies for how to deal with these models The following chapters will help you to manage module dependencies on your projects explore strategies to upload files to a RESTful API and store information directly in the browser for using it with Backbone js After testing your application you are ready to deploy it to your production environment The final chapter will cover different flavors of authorization The Backbone js library can be difficult to master but in this book you will get the necessary skill set to create applications with it and you will be able to use any other library you want in your stack Style and approach This book takes a tutorial approach to help you scale your Backbone js applications It builds a web application using the best practices and applies architectural design principles to develop maintainable web apps Each chapter explains the design decisions and improves the project that is used as an example alongside the book

[JavaScript Application Design](#) Nicolas Bevacqua, 2015-01-29 Summary JavaScript Application Design A Build First Approach introduces JavaScript developers to techniques that will improve the quality of their software as well as their web development workflow You ll begin by learning how to establish build processes that are appropriate for JavaScript driven development Then you ll walk through best practices for productive day to day development like running tasks when your code changes deploying applications with a single command and monitoring the state of your application once it s in production Purchase of the print book includes a free eBook in PDF Kindle and ePub formats from Manning Publications About the Book The fate of most applications is often sealed before a single line of code has been written How is that possible Simply bad design assures bad results Good design and effective processes are the foundation on which maintainable applications are built scaled and improved For JavaScript developers this means discovering the tooling modern libraries and architectural patterns that enable those improvements JavaScript Application Design A Build First Approach introduces techniques to improve software quality and development workflow You ll begin by learning how to establish processes designed to optimize the quality of your work You ll execute tasks whenever your code changes run tests on every commit and deploy in an automated fashion Then you ll focus on designing modular components and composing them together to build robust applications This book assumes readers understand the basics of JavaScript What s Inside Automated development testing and deployment processes JavaScript fundamentals and modularity best practices Modular maintainable and well tested applications Master asynchronous flows embrace MVC and design a REST API About the Author Nicolas Bevacqua is a freelance developer with a focus on modular JavaScript build processes and sharp design He maintains

a blog at ponyfoo.com Table of Contents PART 1 BUILD PROCESSES Introduction to Build First Composing build tasks and flows Mastering environments and the development workflow Release deployment and monitoring PART 2 MANAGING COMPLEXITY Embracing modularity and dependency management Understanding asynchronous flow control methods in JavaScript Leveraging the Model View Controller Testing JavaScript components REST API design and layered service architectures     Development with the Force.com Platform Jason Ouellette, 2013-11-12 Master Force.com Today's Fastest Most Flexible Cloud Development Platform With Salesforce.com's Force.com platform you can build and deploy powerful cloud based enterprise applications faster than ever before Now Jason Ouellette gives you all the practical technical guidance you need to make the most of the newest Force.com releases in your own custom cloud applications Throughout he adds new code and updated best practices for rapidly prototyping building and testing production quality Force.com solutions This edition's extensive new coverage includes Developer Console JSON Streaming and Tooling APIs Bulk API Force.com Canvas REST integration support for Web MVC frameworks Dynamic Apex and Visualforce and an all new chapter on mobile user interfaces Ouellette covers the entire platform UIs database design analytics security and many other topics His code examples emphasize maintainability flexibility and seamless integration and you can run and adapt all of them with a free Force.com Developer Edition account Coverage includes Leveraging Force.com's customizable infrastructure to deliver advanced Platform as a Service PaaS solutions Understanding Force.com's unique processes tools and architecture Developing a complete application from requirements and use cases through deployment Using the Force.com database as a framework for highly flexible maintainable applications Applying Force.com's baked in security including user identity data ownership and fine grained access control Constructing powerful business logic with Apex SOQL and SOSL Adopting asynchronous actions Single Page Applications and other advanced features in Web user interfaces Building intuitive user interfaces with Visualforce and extending them to public facing websites and mobile devices Creating smartphone tablet friendly apps with HTML5 and Visualforce Performing massive data intensive tasks offline with Batch Apex Using Force.com integration options including REST SOAP Canvas and the Streaming Bulk Tooling and Metadata APIs Developing internal social applications with Force.com's Chatter collaboration tools If you're already building Web or mobile applications take your next giant step into enterprise cloud development with Development with the Force.com Platform Third Edition All code examples in this book are available on Github at <http://goo.gl/fJRqMX> and as a Force.com IDE project on Github at <https://github.com/jmouel/dev-with-force-3e>     *Mastering MeteorJS Application Development* Jebin B V, 2015-12-30 MeteorJS makes full stack JavaScript Application Development simple Learn how to build better modern web apps with MeteorJS and become an expert in the innovative JavaScript framework About This Book Get your dream project up and running by building exceptional MeteorJS applications in a matter of days Learn how to integrate other JavaScript frameworks into your MeteorJS project and become an expert in full stack development Go beyond coding and learn how to make modern design

decisions from mobile design to SEO that drive great user experiences Who This Book Is For If you've already had some experience with MeteorJS but want to learn how to build even better modern web applications this book has been created for you It provides you with a comprehensive look at one of those most important frameworks being used for the modern web today What You Will Learn Get to grips with the basics and learn how to build a complete real time application with MeteorJS Find out how Meteor makes full stack development simple become a better developer fast Use some of the most effective testing tools in modern web development to troubleshoot debug and optimize your app Find out how to write custom packages for applications so you can build your project exactly how you want Integrate React and Angular into your project Design and develop high quality animations that will give your UI the edge Build MeteorJS to serve as REST based application and reactive system Learn how to host a MeteorJS application and then scale it for data Find out how MeteorJS can help you build for mobile Learn how to make sure you implement an effective SEO strategy in your MeteorJS application In Detail The web is dead applications now rule our online experiences But how are you going to build them Well if you've been paying attention you might already have tried your hand with MeteorJS the JavaScript framework that helps you build complete full stack web applications that are responsive and fast with ease Mastering MeteorJS Application Development shows you how to do even more with MeteorJS if you're ready to try a comprehensive course through one of the most exciting frameworks in web development today this is the book you need Designed to take you through the entire process of building an advanced multipage application with Meteor you'll be able to bring your web development ideas with surprising ease You'll not only learn how Meteor makes web development easier but also how you can make using Meteor easier by automating and simplifying tasks so you can be confident you have full control of everything in your workflow especially everything that could go wrong From automated testing to integrating other useful frameworks such as Angular and D3 each chapter covers a crucial element in the Meteor development process Discover how to integrate animations using Meteor's Blaze to give your UI designs the edge and explore reactive programming to effectively harness RESTful systems in your projects You will also learn how to deploy and scale your application two crucial aspects of modern development and vital in a changing digital environment with users expecting a product and experience that delivers With further insights on developing for mobile and how Meteor can help you tackle the challenges of the trend and details on incorporating SEO strategies into your application this book isn't just a code tutorial it's about creating a product that users love Style and approach This book is a practical guide that teaches you different ways to create custom packages efficient client and server code and more using Meteor This book is packed with perfect examples and explanations to help you understand the concepts With the perfect mix of theory and practical experience it will equip you to become a professional MeteorJS developer

*Ultimate Ember.js for Web App Development: Leverage Convention Over Configuration Paradigm to Develop, Build, and Deploy Complex Applications Using Ember.js* Aswin Murugesw, 2024-03-13 Build large scale complex Web

Applications using the battle tested Ember js framework Key Features Gain comprehensive insight into Ember js fundamentals and delve into its internal mechanisms to become proficient with the framework Accelerate your learning journey with hands on live examples provided in the book fostering skill development through practical application rather than passive reading Master the complete lifecycle of front end application development from inception to deployment ensuring a thorough understanding of the end to end process Book Description Unlock the full potential of Ember js with this comprehensive practical handbook tailored for both novice and experienced web developers Starting with an introduction to Ember js delve into essential concepts such as Ember Cli and local setup gaining proficiency in Ember js routing for seamless navigation within your applications Learn to craft dynamic user interfaces with Ember js components and templates leveraging Ember Data and Services for efficient data management Navigate the intricacies of configuring your Ember app to suit your specific project requirements while ensuring the robustness of your codebase through comprehensive testing techniques Utilize the Ember Inspector tool to debug and optimize your applications with ease Finally master the art of deploying your Ember js applications to production environments ensuring a smooth and efficient deployment process This book provides invaluable insights and practical guidance to become proficient in Ember js With a focus on real world applications and best practices Ultimate Ember js for Scalable Web Applications equips you with the tools and knowledge needed to excel in modern web development What you will learn Grasp the essence of web development and comprehend the intricate components that constitute a web application Attain an in depth understanding of Ember js modules and their cohesive interplay within the framework Discover strategies to optimize and prepare an Ember application for production deployment Dive into hands on exercises within the book guiding you through the process of constructing your own Ember application Harness the power of testing to fortify your application s security and instill confidence in your codebase Table of Contents 1 Introduction to Ember js 2 Ember CLI and Local Setup 3 Ember js Routing 4 Ember js Components and Templates 5 Ember Data and Services 6 Configuring your Ember js Application 7 Testing Ember js Applications 8 Ember Inspector 9 Build and Deployment 10 Conclusion Index About the Author Aswin Murugesh K holds a Bachelor s degree in Information Technology from the College of Engineering Guindy Chennai India He has worked as an intern and employee in top MNCs like Amazon and Oracle and also has experience working in startups of different stages thus having an overall knowledge of the industry He then started his own company back in 2019 focusing on developing quality products for their customers He started Kuriyam io as a service based company and has recently transformed it into a product based company in 2023 with their first in house product Pinaippu which focuses on WhatsApp marketing and automation [Pro Single Page Application Development](#) Gil Fink,Ido Flatow,SELA Group,2014-05-10 One of the most important and exciting trends in web development in recent years is the move towards single page applications or SPAs Instead of clicking through hyperlinks and waiting for each page to load the user loads a site once and all the interactivity is handled fluidly by a rich JavaScript front end If you



come from a background in ASP.NET development you'll be used to handling most interactions on the server side. *Pro Single Page Application Development* will guide you through your transition to this powerful new application type. The book starts in Part I by laying the groundwork for SPA development. You'll master some JavaScript techniques that will come in useful later on and get to know the building blocks of a single page application including modules, routing, and MV frameworks. In Part II you'll build the client for your application. This is where the magic happens as the authors take you through the process step by step. Backbone.js is the ideal library for demonstrating SPA development in practice but you can apply the same principles with other frameworks in your future applications. Part III takes you through the process of building the server side of your application using ASP.NET Web API and hooking up the two parts of your application to create a working whole. SPA development also comes with its own particular challenges including tracking history, user interface performance, and how to handle search engine optimization. In the final chapters the authors guide you through some of these issues and advanced techniques and finish by showing you how to deploy your application. As SPAs become the de facto standard of web application development, the in-depth *Pro Single Page Application Development* will be your one-stop shop for creating fluid, modern applications on the web.

**Learning AngularJS** Ken Williamson, 2015-03-18 With AngularJS you can quickly build client-side applications that run well on any desktop or mobile platform using REST web services for backend processes. You may have heard that the learning curve for this JavaScript MVC framework is too steep, but that's not the case. This practical guide provides a hands-on approach to learning AngularJS that will have you building high-quality applications and websites in no time. Along with a conceptual understanding of the framework, you'll also gain direct experience with AngularJS by building a sample application throughout the book. If you're familiar with JavaScript web development and software design concepts and patterns, this book is the perfect way to get started. Understand how AngularJS differs from other MVC frameworks. Learn about AngularJS controllers, views, and models by diving into the book's sample project. Connect your working application to public REST services. Build the application's security layer with non-REST AngularJS services. Explore the basics of building and testing AngularJS directives. Use AngularJS as part of the MEAN stack. MongoDB, ExpressJS, AngularJS, and Node.js. Discover how search engine optimization relates to AngularJS applications and sites.

**Modern Web Development with IBM WebSphere** Kyle Brown, Roland Barcia, Karl Bishop, Matthew Perrins, 2014-05-27 Build Tomorrow's Best Mobile Web Applications with IBM WebSphere Application Server 8.5 and IBM Worklight. This guide presents a coherent strategy for building modern mobile web applications that are fast, responsive, interactive, reusable, maintainable, extensible, and a pleasure to use. Four IBM experts offer practical, hands-on coverage of front-end development with IBM WebSphere Application Server 8.5, IBM Worklight, and today's most popular open-source frameworks. Using well-crafted examples, the authors introduce best practices for MobileFirst development, helping you create apps that work superbly on mobile devices and add features on conventional browsers. Throughout, you'll learn better ways to deliver Web 2.0 apps with

HTML JavaScript front ends RESTful Web Services and persistent data Proven by IBM and its customers the approach covered in this book leads to more successful mobile web applications and more effective development teams Coverage Includes Developing for MobileFirst moving from graceful degradation to progressive enhancement Quickly delivering lightweight JEE apps with WebSphere Application Server s new Liberty Profile Implementing an agile user centered page oriented approach to design Constructing REST services with WebSphere Liberty Eclipse and JEE annotations Building better front end application architectures with frameworks and JavaScript Designing and building complex transactional RESTful services that interface with databases and other data sources Building IBM Worklight hybrid apps with open source frameworks jQuery Mobile Backbone Require js and Handlebars Debugging cross platform multi language modern web apps Promoting scalability security and connectivity into the wider enterprise The IBM Press developerWorks Series pairs books with complementary resources on the developerWorks website at <https://www.ibm.com/developerworks/dwbooks> **Web**

**Applications with Javascript or Java** Gerd Wagner,Mircea Diaconescu,2017-12-18 Today web applications are the most important type of software applications This textbook shows how to design and implement them using a model based engineering approach that covers general information management concepts and techniques and the two most relevant technology platforms JavaScript and Java The book provides an in depth tutorial for theory underpinned and example based learning by doing it yourself supported by quiz questions and practice projects Volume 1 provides an introduction to web technologies and model based web application engineering discussing the information management concepts of constraint based data validation enumerations and special datatypes Volume 2 discusses the advanced information management concepts of associations and inheritance in class hierarchies Web apps are designed using UML class diagrams and implemented with two technologies JavaScript for front end and distributed NodeJS apps and Java with JPA and JSF for back end apps The six example apps discussed in the book can be run and their source code downloaded from the book s website Gerd Wagner is Professor of Internet Technology at Brandenburg University of Technology Germany and Adjunct Associate Professor at Old Dominion University Norfolk VA USA He works in the areas of web engineering and modeling and simulation Mircea Diaconescu is a Software Architect and Technical Team Leader at Entri GmbH Berlin He enjoys to work with the newest web technologies and to build Web of Things projects Java JavaScript NodeJS and C are his favorite programming languages

**Beginning Backbone.js** James Sugrue,2014-01-23 Beginning Backbone js is your step by step guide to learning and using the Backbone js library in your web projects Backbone js is one of the most popular JavaScript libraries among web developers used to create modular single page web apps This book takes you from downloading Backbone js and its dependencies all the way to using more advanced libraries to structure your application architecture and everything in between With a real world practical approach you will learn how you can integrate Backbone js into the center of your JavaScript stack and create scalable applications James Sugrue shows you how to implement all aspects of templating work

efficiently with RequireJS and fully understand Grunt and all its plug ins Armed with this knowledge you ll be able to architect a continuous integration system that is key to real world applications With the explosion of JavaScript based applications on the web the need for more structured approaches to code management is more important than ever Backbone js helps create applications that separate models from views enabling developers to avoid spaghetti code Beginning Backbone js will gently guide you into this amazingly powerful library and help you ramp up to building professional applications Integrate Backbone js into your work today with this indispensable book [Scalable Application Development with NestJS](#) Pacifique Linjanja,2025-01-03 Build production ready scalable applications that stand up to enterprise demands with NestJS while learning all about APIs GraphQL and more Key Features Understand the basics of robust modern apps design patterns and NestJS architecture Build test and scale Rest APIs and GraphQL APIs using NestJS Utilize microservice architecture DevOps security and communication patterns for modern API development Purchase of the print or Kindle book includes a free PDF eBook Book DescriptionIn this book Pacifique Linjanja a globally recognized software engineer and open source contributor shares his deep technical expertise and practical insights from his extensive experience delivering enterprise level applications to unpack the full potential of NestJS the cutting edge Node js framework This book covers the core concepts design patterns and best practices for building scalable high performance applications with NestJS You ll learn REST API and GraphQL implementations harness the power of microservices and explore real world case studies including e commerce social networking and ERP systems The chapters provide step by step guidance for setting up your development environment with TypeScript and npm structuring projects effectively and using the Apollo Federation architecture to create efficient GraphQL APIs This book offers hands on guidance for testing and debugging APIs handling exceptions and validating data using pipes and guards all while helping you build a complete NestJS application from scratch By the end you ll be ready to apply DevOps principles for continuous integration and deployment as well as secure your NestJS applications using advanced techniques What you will learn Master NestJS architecture and set up your environment with Node js npm and TypeScript Apply design patterns and best practices to build robust maintainable apps Build REST APIs and leverage GraphQL for flexible querying Use microservices architecture to efficiently scale your applications Understand how to test and debug APIs for optimal performance Implement Apollo Federation for efficient GraphQL APIs in a federated system Secure NestJS apps with advanced techniques Who this book is for If you are a software engineer developer or a tech lead looking to build scalable applications using NestJS REST GraphQL and microservices this book is for you Whether you re new to NestJS or a seasoned developer this guide will help you leverage NestJS for your next big project It s also ideal for project managers and other IT professionals seeking insights into enterprise level efficient development testing strategies and deployment processes Even technology enthusiasts will find this book enlightening

[Pro JavaScript Development](#) Den Odell,2014-08-28 Pro JavaScript Development is a practical guide for front end web

developers who are experienced at building web pages with HTML CSS and JavaScript and now wish to advance their JavaScript skills to a higher level You will learn how to build large well structured high quality mobile optimized web sites and apps using the latest supported browser APIs language features and tools This book teaches and shows you in practical hands on terms how you can Master the performance reliability stability and code manageability of your JavaScript Understand and write efficient object oriented and prototypal code including full understanding of the this keyword Boost the performance of your JavaScript code Architect large web applications using common design patterns Write high quality JavaScript code and avoid the pitfalls most likely to cause errors Manage code dependencies with AMD and RequireJS Develop for mobile build games and set up a real time video chat using modern APIs such as Geolocation Canvas and WebRTC Document your code as the professionals do Write command line and web server applications in JavaScript with Node js Use build tools such as Grunt and Gulp to automate repetitive tasks and improve your development workflow Using real world examples and applications that you ll build yourself Pro JavaScript Development has unique practical content that will make you a better JavaScript developer Become a master of the latest JavaScript coding techniques and tools and harness its best capabilities today

**Building Web Apps with Ember.js** Jesse Cravens, Thomas Q Brady, 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

**Angular for Enterprise-Ready Web Applications** Doguhan Uluca, 2020-05-29 Revised and updated second edition of the bestselling hands on guide to building enterprise ready web apps using an evergreen Angular platform Key Features Updated examples projects and a new overview of tools including NgRX and Ivy automated testing and Firebase authentication New chapter summarizing history of web frameworks and Angular version updates All new RESTful API implementation leveraging the MEAN stack with MongoDB Express js Angular and Node js Book Description This second edition of Angular for Enterprise Ready Web Applications is updated with in depth coverage of the evergreen Angular platform You ll start by mastering Angular programming fundamentals Using the Kanban method and GitHub tools you ll build great looking apps with Angular

Material and also leverage reactive programming patterns with RxJS discover the flux pattern with NgRx become familiar with automated testing utilize continuous integration using CircleCI and deploy your app to the cloud using Vercel Now and GCloud You will then learn how to design and develop line of business apps using router first architecture with observable data anchors demonstrated through oft used recipes like master detail views and data tables with pagination and forms Next you ll discover robust authentication and authorization design demonstrated via integration with Firebase API documentation using Swagger and API implementation using the MEAN stack Finally you will learn about DevOps using Docker build a highly available cloud infrastructure on AWS capture user behavior with Google Analytics and perform load testing By the end of the book you ll be familiar with the entire gamut of modern web development and full stack architecture learning patterns and practices to be successful as an individual developer on the web or as a team in the enterprise What you will learn Adopt a minimalist value first approach to delivering web apps Master Angular development fundamentals RxJS CLI tools GitHub and Docker Discover the flux pattern and NgRx Implement a RESTful APIs using Node js Express js and MongoDB Create secure and efficient web apps for any cloud provider or your own servers Deploy your app on highly available cloud infrastructure using DevOps CircleCI and AWS Who this book is for This book is for developers who want to confidently deliver high quality and production grade Angular apps from design to deployment Developers that have prior experience in writing a RESTful APIs will also benefit as well as developers who will gain greater awareness of how they fit into the larger picture of delivering a web application Prior experience with RESTful APIs is desired

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