

Write Modern Web Apps With The Mean Stack Mongo Express Angularjs And Nodejs Develop And Design

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Web Application Security - Andrew Hoffman 2020-03-02
While many resources for network and IT security are available, detailed knowledge regarding modern web

application security has been lacking—until now. This practical guide provides both offensive and defensive security concepts that software engineers can easily learn and

apply. Andrew Hoffman, a senior security engineer at Salesforce, introduces three pillars of web application security: recon, offense, and defense. You'll learn methods for effectively researching and analyzing modern web applications—including those you don't have direct access to. You'll also learn how to break into web applications using the latest hacking techniques. Finally, you'll learn how to develop mitigations for use in your own web applications to protect against hackers. Explore common vulnerabilities plaguing today's web applications Learn essential hacking techniques attackers use to exploit applications Map and document web applications for which you don't have direct access Develop and deploy customized exploits that can bypass common defenses Develop and deploy mitigations to protect your applications against hackers Integrate secure coding best practices into your development lifecycle Get practical tips to help you improve the overall security of

your web applications
[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

Building Progressive Web

Apps - Tal Ater 2017-08-08

Move over native apps. New progressive web apps have capabilities that will soon make you obsolete. With this hands-on guide, web developers and business execs will learn how—and why—to develop web apps that take advantage of features that have so far been exclusive to native apps. Features that include fast load times, push notifications, offline access, homescreen shortcuts, and an entirely app-like experience. By leveraging the latest browser APIs, progressive web apps combine all of the benefits of native

apps, while avoiding their issues. Throughout the book, author Tal Ater shows you how to improve a simple website for the fictional Gotham Imperial Hotel into a modern progressive web app. Plus: Understand how service workers work, and use them to create sites that launch in an instant, regardless of the user's internet connection Create full-screen web apps that launch from the phone's homescreen just like native apps Re-engage users with push notifications, even days after they have left your site Embrace offline-first and build web apps that gracefully handle loss of connectivity Explore new UX opportunities and challenges presented by progressive web apps

Building Production-ready Web

Apps with Node.js - Gireesh

Punathil 2021-11-09

Learn web application development through design thinking and illustrated use-cases. **KEY FEATURES** ● Learn from Node.js community leader to design production-ready applications. ● Numerous

examples and use-cases demonstrate how to create web components of your choice. ● Covers best practices on writing error-free and high-performant codes for scaling Node.js apps. DESCRIPTION 'Building Production-ready Web Apps with Node.js' teaches you how a web application works from the inside out with detailed illustrations of the various components. You should be able to use the knowledge to develop new web applications, enhance existing applications, or re-architect applications to meet new workload characteristics or deployment scenarios. This book, written by a Node.js community leader, walks you through the various aspects of a web application, beginning with platform selection and ending with production problem determination. It offers unique Node.js features that make it a high-performer in IO workloads. The book then walks you through the components of a web application, such as the front-

end, back-end, middleware functions, database, and third-party services. There are several real-world case studies and illustrative examples to help you internalize the knowledge easily. If you read this book, you should be able to apply what you've learned in your current job situation. This book will provide you with the ability to appreciate and rationalize the design considerations of modern web technologies. WHAT YOU WILL LEARN ● Learn how to create web app components from zero. ● Receive expert guidance on optimizing backend components' performance. ● Develop the ability to convert monolithic applications to microservices. ● Utilize cutting-edge techniques to reinvent web components for maximum production strength. WHO THIS BOOK IS FOR This book is intended for students, mobile developers, application developers, and architects who want to create and redesign web applications. Prior experience with JavaScript

programming is preferred but not required. TABLE OF CONTENTS 1. Getting Started with the Fundamentals 2. Setting up the Environment 3. Introduction to Web Server 4. Our First program: Time of the Day Server 5. Common Networking Interfaces of Node.js 6. Major Web Server Components 7. Interacting with Backend Components 8. Implementing Common Website Features 9. Making our Website Production Grade 10. Best Practices for High Performant Code 11. Debugging Program Anomalies **Learning ClojureScript** - W. David Jarvis 2016-06-30 Master the art of agile single page web application development with ClojureScript About This Book Set up interactive development workflows for the browser or Node.js thanks to the ClojureScript ecosystem Learn the basics of interactive single page web app development taking advantage of the functional nature of ClojureScript Delve into advanced rich web application

development concepts such as Om, along with core.async, using zippers and logic programming, and preparing code for production with testing or optimizing via the Google Closure Compiler Who This Book Is For This book is for web application developers who want to benefit from the power of ClojureScript to get an agile and highly productive development platform that targets mainly browser JavaScript. You are not required to be fluent in Clojure, but it will be easier for you if you have a basic understanding of browser and server-side JavaScript. What You Will Learn Understand how the ClojureScript compiler operates Set up interactive development workflows for ClojureScript Grasp the basics of the ClojureScript language, including basic syntax, data structures, variable scoping, namespaces, and finally the powerful sequence abstraction Delve into advanced concepts such as functional programming, macro writing, asynchronous programming,

app routing, and real-time web
Develop simple one page web
applications Explore
techniques to make your web
apps aware of the external
world through external or
embedded database access or
Oauth 2 integration Learn
more advanced ClojureScript
concepts like in app routing,
real-time web Prepare your
work for production, getting
insights into optional type-
checking, writing portable
Clojure/ClojureScript code, and
testing In Detail Clojure is an
expressive language that
makes it possible to easily
tackle complex software
development challenges. Its
bias toward interactive
development has made it a
powerful tool, enabling high
developer productivity. In this
book, you will first learn how to
construct an interactive
development experience for
ClojureScript.. You will be
guided through ClojureScript
language concepts, looking at
the basics first, then being
introduced to advanced
concepts such as functional
programming or macro writing.

After that, we elaborate on the
subject of single page web
applications, showcasing how
to build a simple one, then
covering different possible
enhancements. We move on to
study more advanced
ClojureScript concepts, where
you will be shown how to
address some complex
algorithmic cases. Finally,
you'll learn about optional type-
checking for your programs,
how you can write portable
code, test it, and put the
advanced compilation mode of
the Google Closure Compiler to
good use. Style and approach
This book is a comprehensive
reference guide on
ClojureScript development for
the front end, and will
gradually help you master
interactive ClojureScript
development workflows,
through detailed step-by-step
information illustrated with
annotated code samples.
Write Web Apps with Dart -
Jack Murphy 2015-12-09
DART, THE OPEN-SOURCE
web programming language
developed by Google, is
designed for building

everything from simple console utilities to full-featured applications for browsers and mobile devices. The Dart language is both familiar for seasoned engineers and easy to learn for aspiring programmers. To get you up and productive, Dart developer Jack Murphy presents a series of solutions that a modern full stack developer will need to become proficient and launch a production application using Dart. In addition to a language introduction and overview, Jack builds a web application that will provide an easy-to-follow walkthrough of the Dart language and its associated development environments for both front-end and back-end programming. Jack's web application implements a series of asynchronous browser components using Angular 2 Dart, while also leveraging Dart's server capabilities to create a Dart-powered REST API. THIS BOOK INCLUDES: • Detailed instruction, ample illustrations, and clear examples • Real-world guidance and advice • Insight

into best practices from a Dart developer CORRESPONDING GITHUB PROJECT (https://github.com/rightisleft/web_apps_dart) is included so that you can follow along with the examples in the video. Two additional chapters with up-to-date material on the Angular 2 framework are available at www.peachpit.com.

Write Modern Web Apps with the MEAN Stack -

Peachpit Press 2015-01-03

"Learn to use the MEAN

(Mongo, Express, AngularJS and Node.js) stack to create modern web applications. ...

Get started with Node and Angular applications, interact with MongoDB from Node, learn to write automated tests, and deploy the project to production. Corresponding GitHub project is included so that you can follow along with the examples in the video."-- Container.

Clean Architecture - Robert C. Martin 2017-09-12

Practical Software Architecture Solutions from the Legendary Robert C. Martin ("Uncle Bob") By applying universal rules of

software architecture, you can dramatically improve developer productivity throughout the life of any software system. Now, building upon the success of his best-selling books *Clean Code* and *The Clean Coder*, legendary software craftsman Robert C. Martin (“Uncle Bob”) reveals those rules and helps you apply them. Martin’s *Clean Architecture* doesn’t merely present options. Drawing on over a half-century of experience in software environments of every imaginable type, Martin tells you what choices to make and why they are critical to your success. As you’ve come to expect from Uncle Bob, this book is packed with direct, no-nonsense solutions for the real challenges you’ll face—the ones that will make or break your projects. Learn what software architects need to achieve—and core disciplines and practices for achieving it. Master essential software design principles for addressing function, component separation, and data management. See how

programming paradigms impose discipline by restricting what developers can do. Understand what’s critically important and what’s merely a “detail.” Implement optimal, high-level structures for web, database, thick-client, console, and embedded applications. Define appropriate boundaries and layers, and organize components and services. See why designs and architectures go wrong, and how to prevent (or fix) these failures. *Clean Architecture* is essential reading for every current or aspiring software architect, systems analyst, system designer, and software manager—and for every programmer who must execute someone else’s designs. Register your product for convenient access to downloads, updates, and/or corrections as they become available.
Web Development with Node and Express - Ethan Brown
2014-07
Learn how to build dynamic web applications with Express, a key component of the

Node/JavaScript development stack. In this hands-on guide, author Ethan Brown teaches you the fundamentals through the development of a fictional application that exposes a public website and a RESTful API. You'll also learn web architecture best practices to help you build single-page, multi-page, and hybrid web apps with Express. Express strikes a balance between a robust framework and no framework at all, allowing you a free hand in your architecture choices. With this book, frontend and backend engineers familiar with JavaScript will discover new ways of looking at web development. Create webpage templating system for rendering dynamic data Dive into request and response objects, middleware, and URL routing Simulate a production environment for testing and development Focus on persistence with document databases, particularly MongoDB Make your resources available to other programs with RESTful APIs Build secure

apps with authentication, authorization, and HTTPS Integrate with social media, geolocation, and other third-party services Implement a plan for launching and maintaining your app Learn critical debugging skills This book covers Express 4.0. [Full-Stack Web Development with Vue.js and Node](#) - Aneeta Sharma 2018-05-14 Bring the frontend and backend together with Vue, Vuex, and Node.js Key Features Construct modern web applications with Node 10, Express.js, MongoDB, and Vue Leverage the latest web standards to increase code performance, readability, and cross-compatibility Harness the power of the JavaScript ecosystem to effectively run, build, and test your full stack applications Book Description Isomorphic JavaScript was the buzzword of the year 2017, allowing developers to utilize a single language throughout their web development stack and build cost-effective and scalable applications. MEVN is a one such modern web

development stack consisting of web applications such as MongoDB, Express.js, Vue.js, and Node.js. Hands-On Full-Stack Web Development with Vue.js 2 and Node.js leverages the harmony of these technologies to help you create full-stack web applications. Starting with the core frameworks, this example-based guide explains all the key concepts of frameworks, how to set them up properly, and how to use popular modules to connect them together and make them work cohesively. You will learn all this with the help of real-world examples. In addition to this, you will be able to scaffold web application architecture, add an authentication layer, and develop the MVC structure to support the development of your application. You'll explore how to create data models for your applications and then write REST APIs by exposing your data model to your application. Solely orientated towards building a full, end-to-end application using the MEVN stack, this book will

help you understand how your application development grows. What you will learn

- Build an application with Express.js
- Create schemas using Mongoose
- Develop a single-page application using Vue.js and Express.js
- Create RESTful APIs using Express.js
- Add test cases to improve the reliability of the application
- Learn how to deploy apps on Heroku using GitHub
- Add authorization using passports

Who this book is for If you are a web or a full-stack JavaScript developer, and have tried your hand at traditional stacks such as LAMP, MEAN or MERN, or wish to explore a new stack with modern web technologies, then this book is for you. Prior knowledge of HTML, CSS, and JavaScript would be an added advantage.

The Tangled Web - Michal Zalewski 2011-11-15

Modern web applications are built on a tangle of technologies that have been developed over time and then haphazardly pieced together. Every piece of the web application stack, from HTTP

requests to browser-side scripts, comes with important yet subtle security consequences. To keep users safe, it is essential for developers to confidently navigate this landscape. In *The Tangled Web*, Michal Zalewski, one of the world's top browser security experts, offers a compelling narrative that explains exactly how browsers work and why they're fundamentally insecure. Rather than dispense simplistic advice on vulnerabilities, Zalewski examines the entire browser security model, revealing weak points and providing crucial information for shoring up web application security. You'll learn how to:

- Perform common but surprisingly complex tasks such as URL parsing and HTML sanitization
- Use modern security features like Strict Transport Security, Content Security Policy, and Cross-Origin Resource Sharing
- Leverage many variants of the same-origin policy to safely compartmentalize complex web applications and protect user credentials in case of XSS bugs

- Build mashups and embed gadgets without getting stung by the tricky frame navigation policy
- Embed or host user-supplied content without running into the trap of content sniffing

For quick reference, "Security Engineering Cheat Sheets" at the end of each chapter offer ready solutions to problems you're most likely to encounter. With coverage extending as far as planned HTML5 features, *The Tangled Web* will help you create secure web applications that stand the test of time.

MEAN Web Development -

Amos Q. Haviv 2014-09-25

If you are a web or a full-stack JavaScript developer who is interested in learning how to build modern web applications using the MEAN stack, this book is for you.

SPA Design and Architecture -

Emmit A. Scott, Jr. 2015-11-12

Summary *SPA Design and Architecture* teaches you the design and development skills you need to create SPAs.

Includes an overview of MV* frameworks, unit testing, routing, layout management,

data access, pub/sub, and client-side task automation. This book is full of easy-to-follow examples you can apply to the library or framework of your choice. Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications. About the Technology The next step in the development of web-based software, single-page web applications deliver the sleekness and fluidity of a native desktop application in a browser. If you're ready to make the leap from traditional web applications to SPAs, but don't know where to begin, this book will get you going. About the Book SPA Design and Architecture teaches you the design and development skills you need to create SPAs. You'll start with an introduction to the SPA model and see how it builds on the standard approach using linked pages. The author guides you through the practical issues of building an SPA, including an overview of MV* frameworks, unit testing, routing, layout

management, data access, pub/sub, and client-side task automation. This book is full of easy-to-follow examples you can apply to the library or framework of your choice. What's Inside Working with modular JavaScript Understanding MV* frameworks Layout management Client-side task automation Testing SPAs About the Reader This book assumes you are a web developer and know JavaScript basics. About the Author Emmit Scott is a senior software engineer and architect with experience building large-scale, web-based applications. Table of Contents PART 1 THE BASICS What is a single-page application? The role of MV* frameworks Modular JavaScript PART 2 CORE CONCEPTS Navigating the single page View composition and layout Inter-module interaction Communicating with the server Unit testing Client-side task automation APPENDIXES Employee directory example walk-through Review of the XMLHttpRequest API Chapter

7 server-side setup and summary Installing Node.js and Gulp.js

Web Database Applications with PHP and MySQL - Hugh E. Williams 2002

Combines language tutorials with application design advice to cover the PHP server-side scripting language and the MySQL database engine.

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.

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- Angular: a modern web platform
- Building your first Angular app
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- Advanced components
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- Building custom directives and pipes
- Forms
- Testing your application
- Angular in production

Building Web Apps with WordPress - Brian Messenlehner 2014-04-08

WordPress is much more than a blogging platform. As this practical guide clearly demonstrates, you can use WordPress to build web apps of any type—not mere content sites, but full-blown apps for specific tasks. If you have PHP experience with a smattering of HTML, CSS, and JavaScript, you'll learn how to use WordPress plugins and themes

to develop fast, scalable, and secure web apps, native mobile apps, web services, and even a network of multiple WordPress sites. The authors use examples from their recently released SchoolPress app to explain concepts and techniques throughout the book. All code examples are available on GitHub. Compare WordPress with traditional app development frameworks Use themes for views, and plugins for backend functionality Get suggestions for choosing WordPress plugins—or build your own Manage user accounts and roles, and access user data Build asynchronous behaviors in your app with jQuery Develop native apps for iOS and Android, using wrappers Incorporate PHP libraries, external APIs, and web service plugins Collect payments through ecommerce and membership plugins Use techniques to speed up and scale your WordPress app

ReactJS by Example - Building Modern Web Applications with React - Vipul A M 2016-04-21

Get up and running with

ReactJS by developing five cutting-edge and responsive projects About This Book Create pragmatic real-world applications while learning React and its modern developer tools Build sustainable user interfaces by transforming data into components of UI Learn how to generate reusable ReactJS components effectively Who This Book Is For If you are a web developer and wish to learn ReactJS from scratch, then this book is tailor-made for you. Good understanding of Javascript, HTML, and CSS is expected. What You Will Learn Create, reuse, and compose React components using JSX Share data between various React components and techniques for data flow within a React app Handle user interactions with the help of event handlers and dynamic components Set up and use various next generation ES2015/ES6 features with React Understand the performance and immutability features of React using React add-ons Learn the techniques

of Animation in React Use data stores to store model-related data and information Create a flux-based React application by using Reflux library In Detail ReactJS is an open-source JavaScript library that brings the power of reactive programming to web applications and sites. It aims to address the challenges encountered in developing single-page applications, and is intended to help developers build large, easily scalable and changing web apps. Starting with a project on Open Library API, you will be introduced to React and JSX before moving on to learning about the life cycle of a React component. In the second project, building a multi-step wizard form, you will learn about composite dynamic components and perform DOM actions. You will also learn about building a fast search engine by exploring server-side rendering in the third project on a search engine application. Next, you will build a simple frontpage for an e-commerce app in the fourth project by using data models and React

add-ons. In the final project you will develop a complete social media tracker by using the flux way of defining React apps and know about the best practices and use cases with the help of ES6 and redux. By the end of this book, you will not only have a good understanding of ReactJS but will also have built your very own responsive frontend applications from scratch. Style and approach An easy-to-follow program to learn ReactJS with the help of real world projects. Each topic is explained within the context of a project and provides plenty of tips and tricks for using ReactJS.

Node.js, MongoDB and Angular Web Development - Brad Dayley 2017-10-11

Node.js, MongoDB and Angular Web Development The definitive guide to using the MEAN stack to build web applications Node.js is a leading server-side programming environment, MongoDB is the most popular NoSQL database, and Angular is the leading framework for MVC-based front-end

development. Together, they provide an easy-to-implement, fully integrated web development stack that allows web programmers to create high-performance sites and applications built completely in JavaScript, from server to client. Updated for Angular 2, Angular 4, and subsequent versions, this new edition of Node.js, MongoDB and Angular Web Development shows you how to integrate these three technologies into complete working solutions. It begins with concise, crystal-clear tutorials on each technology and then quickly moves on to building common web applications. You'll learn how to use Node.js and MongoDB to build more scalable, high-performance sites, how to leverage Angular's innovative MVC approach to structure more effective pages and applications, and how to use all three together to deliver outstanding next-generation Web solutions. Implement a highly scalable and dynamic web server using Node.js and Express Implement a MongoDB

data store for your web applications Access and interact with MongoDB from Node.js JavaScript code Learn the basics of TypeScript Define custom Angular directives that extend the HTML language Build server-side web services in JavaScript Implement client-side services that can interact with the Node.js web server Build dynamic browser views that provide rich user interaction Add authenticated user accounts and nested comment components to your web applications and pages Contents at a Glance Part I: Getting Started 1 Introducing the Node.js-to-Angular Stack 2 JavaScript Primer Part II: Learning Node.js 3 Getting Started with Node.js 4 Using Events, Listeners, Timers, and Callbacks in Node.js 5 Handling Data I/O in Node.js 6 Accessing the File System from Node.js 7 Implementing HTTP Services in Node.js 8 Implementing Socket Services in Node.js 9 Scaling Applications Using Multiple Processors in Node.js 10 Using Additional Node.js Modules

Part III: Learning MongoDB 11 Understanding NoSQL and MongoDB 12 Getting Started with MongoDB 13 Getting Started with MongoDB and Node.js 14 Manipulating MongoDB Documents from Node.js 15 Accessing MongoDB from Node.js 16 Using Mongoose for Structured Schema and Validation 17 Advanced MongoDB Concepts Part IV: Using Express to Make Life Easier 18 Implementing Express in Node.js 19 Implementing Express Middleware Part V: Learning Angular 20 Jumping into TypeScript 21 Getting Started with Angular 22 Angular Components 23 Expressions 24 Data Binding 25 Built-in Directives Part VI: Advanced Angular 26 Custom Directives 27 Events and Change Detection 28 Implementing Angular Services in Web Applications 29 Creating Your Own Custom Angular Services 30 Having Fun with Angular **Web Application Development with MEAN** - Amos Q. Haviv 2016-10-28 Unlock the power of the MEAN

stack by creating attractive and real-world projects About This Book Learn about the different components that comprise a MEAN application to construct a fully functional MEAN application using the best third-party modules A step-by-step guide to developing the MEAN stack components from scratch to achieve maximum flexibility when building an e-commerce application Build optimum end-to-end web applications using the MEAN stack Who This Book Is For This learning path is for web developers who are experienced in developing applications using JavaScript. This course is for developers who are interested in learning how to build modern and multiple web applications using MongoDB, Express, AngularJS, and Node.js. What You Will Learn Build modern, end-to-end web applications by employing the full-stack web development solution of MEAN Connect your Express application to MongoDB and use a Mongoose model and build a complex application

from start to finish in MongoDB Employ AngularJS to build responsive UI components Implement multiple authentication strategies such as OAuth, JsonWebToken, and Sessions Enhance your website's usability with social logins such as Facebook, Twitter, and Google Secure your app by creating SSL certificates and run payment platforms in a live environment Implement a chat application from scratch using Socket.IO Create distributed applications and use the power of server-side rendering in your applications Extend a project with a real-time bidding system using WebSockets In Detail The MEAN stack is a collection of the most popular modern tools for web development. This course will help you to build a custom e-commerce app along with several other applications. You will progress to creating several applications with MEAN. The first module in this course will provide you with the skills you need to successfully create, maintain, and test a MEAN application.

Starting with MEAN core frameworks, this course will explain each framework key concepts of MongoDB, Express, AngularJS, and Node.js. We will walk through the different tools and frameworks that will help expedite your daily development cycles. After this, the next module will show you how to create your own e-commerce application using the MEAN stack. It takes you step by step through the parallel process of learning and building to develop a production-ready, high-quality e-commerce site from scratch. It also shows you how to manage user authentication and authorization, check multiple payment platforms, add a product search and navigation feature, deploy a production-ready e-commerce site, and finally add your own high-quality feature to the site. The final step in this course will enable you to build a better foundation for your AngularJS apps. You'll learn how to build complex real-life applications with the MEAN stack and a few more advanced

projects. You will become familiar with WebSockets, build real-time web applications, create auto-destructing entities, and see how to work with monetary data in Mongo. You will also find out how to a build real-time e-commerce application. 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: MEAN Web Development by Amos Haviv Building an E-Commerce Application with MEAN by Adrian Mejia MEAN Blueprints by Robert Onodi Style and approach This course will begin with the introduction to MEAN, gradually progressing with building applications in each framework. Each transition is well explained, and each chapter begins with the required background knowledge.

AngularJS: Maintaining Web Applications - Rodrigo Branas
2016-04-22

Get started with speed building AngularJS applications, and

scale up to a full-stack web application, using the existing AngularJS framework without the trouble of migrating to Angular 2 About This Book Follow the best practices of the framework to organize and modularize your application Get to grips with Angular's Model-View-Controller architecture Create application modules with maximum reusability and extensibility Structure and use AngularJS applications in your MEAN project in your MEAN project Who This Book Is For This course is for people who want to discover how they can improve their current web applications with the existing version of Angular without having to worry much about migrating to AngularJS 2 What You Will Learn Install and set up the AngularJS framework Create your own full-featured and robust AngularJS web apps Create reusable directives and then extend the behavior of HTML on your web page Optimize and maintain your web applications Create more powerful full-stack web

applications, that draw on the combined power of AngularJS, Node.js, MongoDB, and Express in the MEAN stack In Detail The AngularJS course is a journey to help you improve and scale your current web applications with the existing version of Angular without having to worry about migration to Angular 2. The course is divided into four modules. The first part—AngularJS Essentials is like a practical guide, filled with many step-by-step examples that will lead you through the best practices of AngularJS. After a brief introduction, you will learn how to create reusable components with directives. You will then take a look at many data handling techniques, discover a complete set of technologies that are capable to accomplish any challenge related to present, transform, and validate data on the user's interface. Finally, you will discover the best way to deal with the scope and how to break up the application into

separate modules, giving rise to reusable and interchangeable libraries. With this you've crossed a milestone and are about to enter the world of learning by example. In the next part—Learning AngularJS By Example, you will learn how to effectively build apps using the AngularJS platform. You will be building multiple apps on this platform ranging from simple ones to more complex ones. In this module, you will roll up your coding sleeves and create a serious AngularJS application by example - a rich featured workout app. Take the coding a step at a time at first, then once you're coding a full app in this module, a lot of AngularJS will fall right into place for you. The third module—AngularJS Web Application Development Cookbook, will get you accustomed to the AngularJS concept armed with a solid understanding of how it works, insight into the best ways to wield it in real-world applications, and annotated code examples. It is a rich library of AngularJS coding

solutions that you can use straight away in your own code projects. You are just a step away from completing this learning path of AngularJS. The name of the next part—MEAN Web Development itself assures that you are nearing the destination. The idea is simple with this part, you'll take MongoDB as the database, Express as the web framework, AngularJS as the frontend framework, and Node.js as the platform, and combine them together in a modular approach that will ensure the flexibility needed in modern software development. This is also your graduation to full-stack web development, which can open many new coding and career opportunities for you! Style and approach Get up to speed building AngularJS applications, then improve and scale full-stack web applications, using the existing AngularJS framework without the trouble of migrating to Angular 2
Learning Progressive Web Apps - John M. Wargo
2020-02-18

Use Service Workers to Turbocharge Your Web Apps
“You have made an excellent decision in picking up this book. If I was just starting on my learning path to mastery of Progressive Web Apps, there are not many folks I would trust more to get me there than John.” —Simon MacDonald, Developer Advocate, Adobe

Software developers have two options for the apps they build: native apps targeting a specific device or web apps that run on any device. Building native apps is challenging, especially when your app targets multiple system types—i.e., desktop computers, smartphones, televisions—because user experience varies dramatically across devices. Service Workers—a relatively new technology—make it easier for web apps to bridge the gap between native and web capabilities. In *Learning Progressive Web Apps*, author John M. Wargo demonstrates how to use Service Workers to enhance the capabilities of a web app to create Progressive Web Apps (PWA). He focuses

on the technologies that enable PWAs and how to use those technologies to enhance your web apps to deliver a more native-like experience. Build web apps a user can easily install on their local system and that work offline or on low-quality networks Utilize caching strategies that give you control over which app resources are cached and when Deliver background processing in a web application Implement push notifications that enable an app to easily engage with users or trigger action from a remote server Throughout the book, Wargo introduces each core concept and illustrates the implementation of each capability through several complete, operational examples. You’ll start with simple web apps, then incrementally expand and extend them with state-of-the-art features. All example source code is available on GitHub, and additional resources are available on the author’s companion site, learningpwa.com. Register your book for convenient

access to downloads, updates, and/or corrections as they become available. See inside book for details.

Getting MEAN with Mongo, Express, Angular, and Node

- Simon Holmes 2019-04-22

Summary Getting MEAN, Second Edition teaches you how to develop full-stack web applications using the MEAN stack. This edition was completely revised and updated to cover MongoDB 4, Express 4, Angular 7, Node 11, and the latest mainstream release of JavaScript ES2015. Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications. About the Technology Juggling languages mid-application can radically slow down a full-stack web project. The MEAN stack—MongoDB, Express, Angular, and Node—uses JavaScript end to end, maximizing developer productivity and minimizing context switching. And you'll love the results! MEAN apps are fast, powerful, and beautiful. About the Book

Getting MEAN, Second Edition teaches you how to develop full-stack web applications using the MEAN stack.

Practical from the very beginning, the book helps you create a static site in Express and Node. Expanding on that solid foundation, you'll integrate a MongoDB database, build an API, and add an authentication system. Along the way, you'll get countless pro tips for building dynamic and responsive data-driven web applications! What's inside MongoDB 4, Express 4, Angular 7, and Node.js 11 MEAN stack architecture Mobile-ready web apps Best practices for efficiency and reusability About the Reader Readers should be comfortable with standard web application designs and ES2015-style JavaScript. About the Author Simon Holmes and Clive Harber are full-stack developers with decades of experience in JavaScript and other leading-edge web technologies. Table of Contents PART 1 - SETTING THE BASELINE Introducing full-

stack development Designing a MEAN stack architecture PART 2 - BUILDING A NODE WEB APPLICATION Creating and setting up a MEAN project Building a static site with Node and Express Building a data model with MongoDB and Mongoose Writing a REST API: Exposing the MongoDB database to the application Consuming a REST API: Using an API from inside Express PART 3 - ADDING A DYNAMIC FRONT END WITH ANGULAR Creating an Angular application with TypeScript Building a single-page application with Angular: Foundations Building a single-page application with Angular: The next level PART 4 - MANAGING AUTHENTICATION AND USER SESSIONS Authenticating users, managing sessions, and securing APIs Using an authentication API in Angular applications [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!

Programming JavaScript Applications - Eric Elliott
2014-06-26

Take advantage of JavaScript's power to build robust web-scale or enterprise applications that are easy to extend and maintain. By applying the design patterns outlined in this practical book, experienced JavaScript developers will learn how to write flexible and resilient code that's easier—yes, easier—to work with as your code base grows. JavaScript may be the most essential web programming language, but in the real world, JavaScript applications often break when you make changes. With this book, author Eric

Elliott shows you how to add client- and server-side features to a large JavaScript application without negatively affecting the rest of your code. Examine the anatomy of a large-scale JavaScript application Build modern web apps with the capabilities of desktop applications Learn best practices for code organization, modularity, and reuse Separate your application into different layers of responsibility Build efficient, self-describing hypermedia APIs with Node.js Test, integrate, and deploy software updates in rapid cycles Control resource access with user authentication and authorization Expand your application's reach through internationalization
Learning GraphQL - Eve Porcello 2018-08-09
Why is GraphQL the most innovative technology for fetching data since Ajax? By providing a query language for your APIs and a runtime for fulfilling queries with your data, GraphQL presents a clear alternative to REST and ad hoc

web service architectures. With this practical guide, Alex Banks and Eve Porcello deliver a clear learning path for frontend web developers, backend engineers, and project and product managers looking to get started with GraphQL. You'll explore graph theory, the graph data structure, and GraphQL types before learning hands-on how to build a schema for a photo-sharing application. This book also introduces you to Apollo Client, a popular framework you can use to connect GraphQL to your user interface. Explore graph theory and review popular graph examples in use today Learn how GraphQL applies database querying methods to the internet Create a schema for a PhotoShare application that serves as a roadmap and a contract between the frontend and backend teams Use JavaScript to build a fully functioning GraphQL service and Apollo to implement a client Learn how to prepare GraphQL APIs and clients for production

Go Web Programming - Sau

Sheong Chang 2016-07-05
Summary Go Web

Programming teaches you how to build scalable, high-performance web applications in Go using modern design principles. Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications. About the Technology The Go language handles the demands of scalable, high-performance web applications by providing clean and fast compiled code, garbage collection, a simple concurrency model, and a fantastic standard library. It's perfect for writing microservices or building scalable, maintainable systems. About the Book Go Web Programming teaches you how to build web applications in Go using modern design principles. You'll learn how to implement the dependency injection design pattern for writing test doubles, use concurrency in web applications, and create and consume JSON and XML in web services. Along the way,

you'll discover how to minimize your dependence on external frameworks, and you'll pick up valuable productivity techniques for testing and deploying your applications. What's Inside Basics Testing and benchmarking Using concurrency Deploying to standalone servers, PaaS, and Docker Dozens of tips, tricks, and techniques About the Reader This book assumes you're familiar with Go language basics and the general concepts of web development. About the Author Sau Sheong Chang is Managing Director of Digital Technology at Singapore Power and an active contributor to the Ruby and Go communities. Table of Contents PART 1 GO AND WEB APPLICATIONS Go and web applications Go ChitChat PART 2 BASIC WEB APPLICATIONS Handling requests Processing requests Displaying content Storing data PART 3 BEING REAL Go web services Testing your application Leveraging Go concurrency Deploying Go Learning Patterns - Lydia

Hallie 2021-10-31

In this book, you will learn design patterns, performance and rendering patterns for building high-quality web applications using modern JavaScript and React. Patterns are time-tested templates for writing code. They can be really powerful, whether you're a seasoned developer or beginner, bringing a valuable level of resilience and flexibility to your codebase. Whether it's better user-experience, developer-experience or just smarter architecture, the patterns in "Learning Patterns" can be a valuable consideration for any modern web application.

Communication Systems and Networks - Nishanth Sastry 2017-09-29

This book constitutes the refereed post-conference proceedings of the 9th International Conference on Communication Systems and Networks, COMSNETS 2017, held in Bengaluru, India, in January 2017. The 9 invited and 10 selected best papers have been carefully reviewed and

selected from 192 submissions. They cover various topics in networking and communications systems.

Mean Blueprints - Robert Onodi 2016-05-27

Unlock the power of the MEAN stack by creating attractive and real-world projects About This Book*Build six optimum end-to-end web applications using the M.E.A.N stack*Follow the advanced Angular.js 2 application structure to build more scalable and maintainable apps*Integrate an authorization system into your application and reuse existing code from projects Who This Book Is For If you are a web developer with a basic understanding of the MEAN stack, experience in developing applications with JavaScript, and basic experience with NoSQL databases, then this book is for you. What You Will Learn*Build modern, end-to-end web applications by employing the full stack web development solution of MEAN*Learn NoSQL databases and separate the client logic from the server

code*Build a complex application from start to finish and work with monetary data in MongoDB*Handle a multi-user type system and authorize your users to access control list*Implement a chat application from scratch using Socket.IO*Create distributed applications and use the power of server-side rendering in your applications*Extend a project with a real-time bidding system using WebSockets In Detail The MEAN stack is a combination of the most popular web development frameworks available-MongoDB, Angular, Express, and Node.js used together to offer a powerful and comprehensive full stack web development solution. It is the modern day web dev alternative to the old LAMP stack. It works by allowing AngularJS to handle the front end, and selecting Mongo, Express, and Node to handle the back-end development, which makes increasing sense to forward-thinking web developers. The MEAN stack is great if you want to prototype complex web applications. This

book will enable you to build a better foundation for your AngularJS apps. Each chapter covers a complete, single, advanced end-to-end project. You'll learn how to build complex real-life applications with the MEAN stack and few more advanced projects. You will become familiar with WebSockets and build real-time web applications, as well as create auto-destructing entities. Later, we will combine server-side rendering techniques with a single page application approach. You'll build a fun project and see how to work with monetary data in Mongo. You will also find out how to a build real-time e-commerce application. By the end of this book, you will be a lot more confident in developing real-time, complex web applications using the MEAN stack.

Write Modern Web Apps with the MEAN Stack - Jeff Dickey 2014-09-24

Traditionally, web applications have been architected so that the back-end houses all the front-end code. This has

resulted in heavy projects that are difficult to manage and scale. This book will explain a new way to write web applications by treating the front-end as if it were a third-party (such as a mobile client). This book, written by a practicing MEAN developer, will take a holistic approach to using the MEAN JavaScript platform for creating modern web applications and lay out how to use the MEAN (Mongo, Express, AngularJS, and Node.js) set of tools to create a web application, from installation and setup of the tools to debugging and deploying your app. After an introduction to how web development is changing and the advantages of using the MEAN stack, the author jumps into an introduction to each tool and then dives into using the complete JavaScript-based application stack to build, test, and deploy apps.

Developing on AWS with C# - Noah Gift 2022-10-04

Many organizations today have begun to modernize their Windows workloads to take full

advantage of cloud economics. If you're a C# developer at one of these companies, you need options for rehosting, replatforming, and refactoring your existing .NET Framework applications. This practical book guides you through the process of converting your monolithic application to microservices on AWS. Authors Noah Gift, founder of Pragmatic AI Labs, and James Charlesworth, engineering manager at Pendo, take you through the depth and breadth of .NET tools on AWS. You'll examine modernization techniques and pathways for incorporating Linux and Windows containers and serverless architecture to build, maintain, and scale modern .NET apps on AWS. With this book, you'll learn how to make your applications more modern, resilient, and cost-effective. Get started building solutions with C# on AWS

Learn DevOps best practices for AWS Explore the development tools and services that AWS provides Successfully migrate a legacy .NET

application to AWS Develop serverless .NET microservices on AWS Containerize your .NET applications and move into the cloud Monitor and test your AWS .NET applications Build cloud native solutions that combine the best of the .NET platform and AWS

Building Web Apps for Google TV - Andres Ferrate 2011-06-16

By integrating the Web with traditional TV, Google TV offers developers an important new channel for content. But creating apps for Google TV requires learning some new skills—in fact, what you may already know about mobile or desktop web apps isn't entirely applicable. *Building Web Apps for Google TV* will help you make the transition to Google TV as you learn the tools and techniques necessary to build sophisticated web apps for this platform. This book shows you how Google TV works, how it fits into the web ecosystem, and what the opportunities are for delivering rich content to millions of households. Discover the elements of a compelling TV web app, and

what comprises TV-friendly navigation Learn the fundamentals for designing the 10-foot user experience Work with the Google Chrome browser on a TV display, and migrate an existing site Use examples for developing a TV web app, including the UI, controls, and scrolling Understand how to optimize, deliver, and protect video content for Google TV Help users discover your content by optimizing your site for Search—especially videos

Practical Webix - Frank Zammetti 2018-03-10

Learn to create speedy cross-platform applications with ease using Webix. You will begin with an introduction to Webix and basic usage, exploring the interface components and utilities it offers, as well as the tools available (skin builder, form builder, and code snippet testing facility). You'll understand how Webix can integrate with other popular libraries and frameworks including Angular, Vue, React and more (as well as third-party components like dHTMLx

and rich text editors). You will learn tangential topics including communication with back-end systems (Node.js and common related tooling), packaging as a Cordova app and, of course, you will learn how to use Webix following the Progressive Web App delivery mechanism. Offering a complete solution in a single bundle, this JavaScript UI framework provides a rich set of interface components, application architecture direction and commonly-needed utility and ancillary capabilities. Every topic will be taught a practical way, explored within the context of building real-world working apps, not through unrelated snippets. Bringing 25 years of professional development experience to the table, author Frank Zammetti uses his unique levity to teach you how to get up and running with this new and upcoming framework.

What You'll Learn Explore the capabilities and UI widgets it provides and the features that make it stand out from its competitors Build one web

technology-based app that works on both desktops and mobile devices (Android and iOS) Create and hook a Webix app up to a Node.js/Express-based RESTful server API for data storage Mobilize a Webix app using both PhoneGap and Progressive Web App techniques Enhance your Webix and general development skills in the most fun way possible: by building a game Who This Book Is For Moderately experienced front-end developers who want to learn about Webix and the power it brings to client-side development. Developers looking to use their web development skills to build cross-platform apps that work on both desktop and mobile devices with Webix as the foundation. A working knowledge of CSS, HTML and JavaScript is assumed, though you don't need to be an expert. *Practical Node.js* - Azat Mardan 2018-08-17 Learn how to build a wide range of scalable real-world web applications using a professional development

toolkit. If you already know the basics of Node.js, now is the time to discover how to bring it to production level by leveraging its vast ecosystem of packages. With this book, you'll work with a varied collection of standards and frameworks and see how all those pieces fit together. *Practical Node.js* takes you from installing all the necessary modules to writing full-stack web applications. You'll harness the power of the Express.js and Hapi frameworks, the MongoDB database with Mongoose and Mongooskin and Mongoose. You'll also work with Pug and Handlebars template engines, Stylus and LESS CSS languages, OAuth and Everyauth libraries, and the Socket.IO and Derby libraries, and everything in between. This exciting second edition is fully updated for ES6/ES2015 and also covers how to deploy to Heroku and AWS, daemonize apps, and write REST APIs. You'll build full-stack real-world Node.js apps from scratch, and also discover how to write your own

Node.js modules and publish them on NPM. You already know what Node.js is; now learn what you can do with it and how far you can take it! What You'll Learn Manipulate data from the mongo console Use the Mongoose and MongoDB libraries Build REST API servers with Express and Hapi Deploy apps to Heroku and AWS Test services with Mocha, Expect and TravisCI Utilize sessions for authentication Implement a third-party OAuth strategy with Everyauth Apply Redis, domains, WebSockets, and clusters Write your own Node.js module, and publish it on NPM Who This Book Is For Web developers who have some familiarity with the basics of Node.js and want to learn how to use it to build apps in a professional environment. *Application Development and Design: Concepts, Methodologies, Tools, and Applications* - Management Association, Information Resources 2017-08-11 Advancements in technology have allowed for the creation of

new tools and innovations that can improve different aspects of life. These applications can be utilized across different technological platforms. *Application Development and Design: Concepts, Methodologies, Tools, and Applications* is a comprehensive reference source for the latest scholarly material on trends, techniques, and uses of various technology applications and examines the benefits and challenges of these computational developments. Highlighting a range of pertinent topics such as software design, mobile applications, and web applications, this multi-volume book is ideally designed for researchers, academics, engineers, professionals, students, and practitioners interested in emerging technology applications. **Pro MERN Stack** - Vasana Subramanian 2019-05-11 Assemble the complete stack required to build a modern web app using MongoDB, Express, React, and Node. This book also covers many other

complementary tools: React Router, GraphQL, React-Bootstrap, Babel, and Webpack. This new edition will use the latest version of React (React 16) and the latest React Router (React Router 4), which has a significantly different approach to routing compared to React Router 2 which was used in the first edition of the book. Though the primary focus of Pro MERN Stack is to equip you with all that is required to build a full-fledged web application, a large portion of the book will be devoted to React 16. The popular MEAN (MongoDB, Express, AngularJS, Node) stack introduced Single Page Apps (SPAs) and front-end Model-View-Controller (MVC) as new and efficient paradigms. Facebook's React is a technology that competes indirectly with AngularJS. It is not a full-fledged MVC framework. It is a JavaScript library for building user interfaces (in some sense the View part). Yet, it is possible to build a web app by replacing AngularJS with React - hence

the term MERN stack What You Will Learn Discover the features of React 16 to get the maximum out of this library Gain the basics of MongoDB, Express, and Node to build a web app Work with other libraries complementary to React, including React-Bootstrap, React Router, and GraphQL Use tools such as Babel and Webpack required to build JavaScript-based SPAs Tie all the components together to build a complete web app. Who This Book Is For Developers and architects who have prior experience in any web app stack other than the MERN stack will find the book useful to learn about this modern stack. Prior knowledge of JavaScript, HTML, and CSS is required.

Client-Server Web Apps with JavaScript and Java - Casimir Saternos 2014-03-28

As a Java programmer, how can you tackle the disruptive client-server approach to web development? With this comprehensive guide, you'll learn how today's client-side technologies and web APIs

work with various Java tools. Author Casimir Saternos provides the big picture of client-server development, and then takes you through many practical client-server architectures. You'll work with hands-on projects in several chapters to get a feel for the topics discussed. User habits, technologies, and development methods have drastically altered web app design in recent years. But the Web itself hasn't changed. This book shows you how to build apps that conform to the web's underlying architecture. Learn the advantages of using separate client and server tiers, including code organization and speedy prototyping Explore the major tools, frameworks, and starter projects used in JavaScript development Dive into web API design and REST style of software architecture Understand Java's alternatives to traditional packaging methods and application server deployment Build projects with lightweight servers, using jQuery with Jython, and Sinatra

with Angular Create client-server web apps with traditional Java web application servers and libraries

Full-Stack React Projects - Shama Hoque 2020-04-17

This book is an updated and improved project-based guide to help you extend the capabilities of React into building full-stack projects by exploring the industry-tested MERN stack. Starting from the set up for your full-stack apps, you will learn to create the front end, back end, and everything in between by building fun and engaging projects.

Modern Web Development with IBM WebSphere - Kyle Brown 2014

Online resources also available to purchasers.

Modern JavaScript - James Kolce 2017-08-16

It's not uncommon these days to see people complaining about just how complex JavaScript development seems to have become. We can have some sympathy with that view when it's coming from someone new to the language. If you're

learning JS, it won't take long for you to be exposed to the enormity of the ecosystem and the sheer number of moving pieces you need to understand (at least conceptually) to build a modern web application.

Package management, linting, transpilation, module bundling, minification, source maps, frameworks, unit testing, hot reloading... it can't be denied that this is a lot more complex than just including a couple of script tags in your page and FTPing it up to the server.

Included topics: The Anatomy of a Modern JavaScript Application by James Kolce An Introduction to Gulp.js by Craig Buckler The Basics of DOM Manipulation in Vanilla

JavaScript (No jQuery) by Sebastian Seitz A Beginner's Guide to Webpack 2 and Module Bundling by Mark Brown React vs Angular: An In-depth Comparison by Pavels Jelisejevs Retrofit Your Website as a Progressive Web App by Craig Buckler 10 Tips to Become a Better Node Developer by Azat Mardan An Introduction to Functional JavaScript by M. David Green An Introduction to Chart.js 2.0 : Six Simple Examples by Jack Rometty Learning JavaScript Test-Driven Development by Example by James Wright This book is for intermediate level JavaScript developers. Some experience of JavaScript development is assumed.