

Codecraft Angular 5

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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 [Architecting Angular Applications with Redux, RxJS, and NgRx](#) - Christoffer Noring 2018-03-26 Managing the state of large-scale web applications is a highly challenging task with the need to align different components, backends, and web workers harmoniously. When it comes to Angular, you can use NgRx, which combines the simplicity of Redux with the reactive programming power of RxJS to build your application architecture, making your ... **The Elements of Programming Style** - Brian W. Kernighan 1974 Covers Expression, Structure, Common Blunders, Documentation, & Structured Programming Techniques

Angular 2 Components - Nir Kaufman

2016-11-30

A quick and concise guide to Angular 2 Components About This Book First look to the Angular 2 Components architecture Creating your own Angular 2 Component Integrating your components with third party components Who This Book Is For If you are a front-end developer with some experience in Angular and want to understand Angular 2 Components, and easily put it to use to create powerful user interfaces and views, then this book is for you What You Will Learn Break your application into reusable dynamic components Take advantage of TypeScript in Angular 2 Migrate your Angular 1 directive to an Angular 2 Component Understand the Angular 2 component structure and APIs Hook to component life cycle events Bind dynamic data to your component properties Communicate with other components using events Compose complicated UIs from simple components In Detail This book is a concise guide to Angular 2 Components and is based on the stable version of Angular 2. You will start with learning about the Angular 2 Components architecture and how components differ from Angular directives in Angular 1. You will then move on to quickly set up an Angular 2 development environment and grasp the basics of TypeScript. With this strong foundation in place, you will start building components. The book will teach you, with an example, how to define component behavior, create component templates, and use the controller of your component. You will also learn how to make your components communicate with each other. Once you have built a component, you will learn how to extend it by integrating third-party components with it. By the end of the book, you will be confident with building and using components for your applications. Style and approach A step-by-step guide covering features and working of Angular 2 Components along with the process for creating your own components.

[ASP.NET Core 5 and Angular](#) - Valerio De Sanctis 2021-01-29

Build robust modern web applications using .NET 5, Entity Framework Core, and Angular 11 Key Features Updated with the latest features and additions in ASP.NET Core 5 and Angular

11 Design, build, and deploy a Single Page Application or Progressive Web App Adopt a full stack approach to handle data management, Web APIs, application design, testing, SEO, security, and deployment Book Description Learning full-stack development calls for knowledge of both front-end and back-end web development. ASP.NET Core 5 and Angular, Fourth Edition will enhance your ability to create, debug, and deploy efficient web applications using ASP.NET Core and Angular. This revised edition includes coverage of the Angular routing module, expanded discussion on the Angular CLI, and detailed instructions for deploying apps on Azure, as well as both Windows and Linux. Taking care to explain and challenge design choices made throughout the text, Valerio teaches you how to build a data model with Entity Framework Core, alongside utilizing the Entity Core Fluent API and EntityTypeConfiguration class. You'll learn how to fetch and display data and handle user input with Angular reactive forms and front-end and back-end validators for maximum effect. Later, you will perform advanced debugging and explore the unit testing features provided by xUnit.net (.NET 5) and Jasmine, as well as Karma for Angular. After adding authentication and authorization to your apps, you will explore progressive web applications (PWAs), learning about their technical requirements, testing, and converting SWAs to PWAs. By the end of this book, you will understand how to tie together the front end and back end to build and deploy secure and robust web applications. What you will learn Implement a web API interface with ASP.NET Core and consume it with Angular using RxJS observables Set up an SQL database server using a local instance or a cloud data store Perform C# and TypeScript debugging using Visual Studio 2019 Create TDD and BDD unit tests using xUnit, Jasmine, and Karma Perform DBMS structured logging using third-party providers such as SeriLog Deploy web apps to Windows and Linux web servers, or Azure App Service, using IIS, Kestrel, and nginx Who this book is for This book is for experienced ASP.NET developers who already possess some familiarity with ASP.NET Core and Angular and are looking to learn how to use them effectively together. The fully documented

code samples (also available on GitHub) and the step-by-step implementation tutorials make this book easy to follow.

Learning Angular - Aristeidis Bampakos
2020-09-07

If you want to build cross-platform web applications using the robust Angular web framework, this book is for you. Learning Angular will cover the core concepts of frontend web development using easy-to-follow instructions to help you get up and running with Angular web development in no time.

React and React Native - Adam Boduch
2017-03-08

Use React and React Native to build applications for desktop browsers, mobile browsers, and even as native mobile apps

About This Book Build React and React Native applications using familiar component concepts Dive deep into each platform, from routing in React to creating native mobile applications that can run offline

Use Facebook's Relay, React and GraphQL technologies, to create a unified architecture that powers both web and native applications

Who This Book Is For This book is written for any JavaScript developer—beginner or expert—who wants to start learning how to put both of Facebook's UI libraries to work. No knowledge of React is needed, though a working knowledge of ES2015 will help you follow along better.

What You Will Learn Craft reusable React components Control navigation using the React Router to help keep your UI in sync with URLs Build isomorphic web applications using Node.js

Use the Flexbox layout model to create responsive mobile designs Leverage the native APIs of Android and iOS to build engaging applications with React Native

Respond to gestures in a way that's intuitive for the user Use Relay to build a unified data architecture for your React UIs

In Detail React and React Native allow you to build cross-platform desktop and mobile applications using Facebook's innovative UI libraries. Combined with the Flux data architecture and Relay, you can now create powerful and feature-complete applications from just one code base!

This book is split into three parts. The first part shows you how to start crafting composable UIs using React, from rendering with JSX and creating reusable components through to routing and creating

isomorphic applications that run on Node. We then move on to showing you how to take the concepts of React and apply them to building Native UIs using React Native. You'll find out how to build responsive and streamlined UIs that can properly handle user interactions in a mobile environment. You'll also learn how to access device-specific APIs such as the geolocation API, and how to handle offline development with React Native. Finally, we'll tie all of these skills together and shows you how you can create React applications that run on every major platform. As well as understanding application state in depth, you'll learn how to leverage Relay to make feature-complete, data-driven web and native mobile applications. Style and approach Split into three major sections to help organize your learning, this hands-on, code-first book will help you get up to speed with React and React Native—the UI framework that powers Netflix, Yahoo, and Facebook.

Simplifying JavaScript - Joe Morgan 2018-04-27

The best modern JavaScript is simple, readable, and predictable. Learn to write modern JavaScript not by memorizing a list of new syntax, but with practical examples of how syntax changes can make code more expressive. Starting from variable declarations that communicate intention clearly, see how modern principles can improve all parts of code.

Incorporate ideas with curried functions, array methods, classes, and more to create code that does more with less while yielding fewer bugs.

It's time to write JavaScript code that's clean and expressive. Modern JavaScript is simpler and more predictable and readable than ever.

Discover how to write better code with clear examples using principles that show how updated syntax can make code better with fewer bugs.

Starting from the ground up, learn new syntax (or how to reuse older syntax) to transform code from clunky bug-susceptible scripts to clear and elegant programs that are easy to read and easy to extend.

Create a foundation for readable code with simple variable declarations that reduce side effects and subtle bugs. Select collections with clear goals instead of defaulting to objects or arrays.

See how to simplify iterations from complex loops to single line array methods. Master techniques for writing flexible and solid code

ranging from high-order functions, to reusable classes, to patterns for architecting large applications creating applications that will last while through rounds of refactoring and changing requirements. The best part is there's no need to read this book straight through. Jump around and incorporate new functionality at will. Most importantly, understand not just what the new syntax is, but when and how to use it. Start writing better code from the first page. What You Need: For the best experience, have the latest version of Node installed (at least version 7). You can test most examples in the console of Chrome or other modern web browser. If you'd like to run the tests, you'll also need to install the latest version of Node Package Manager (npm).

[Angular Development with TypeScript](#) - Anton Moiseev 2018-12-05

Summary Angular Development with TypeScript, Second Edition is an intermediate-level tutorial that introduces Angular and TypeScript to developers comfortable with building web applications using other frameworks and tools. Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications. About the Technology Whether you're building lightweight web clients or full-featured SPAs, Angular is a clear choice. The Angular framework is fast, efficient, and widely adopted. Add the benefits of developing in the statically typed, fully integrated TypeScript language, and you get a programming experience other JavaScript frameworks just can't match. About the Book Angular Development with TypeScript, Second Edition teaches you how to build web applications with Angular and TypeScript. Written in an accessible, lively style, this illuminating guide covers core concerns like state management, data, forms, and server communication as you build a full-featured online auction app. You'll get the skills you need to write type-aware classes, interfaces, and generics with TypeScript, and discover time-saving best practices to use in your own work. What's inside Code samples for Angular 5, 6, and 7 Dependency injection Reactive programming The Angular Forms API About the Reader Written for intermediate web developers familiar with HTML, CSS, and JavaScript. About the

Author Yakov Fain and Anton Moiseev are experienced trainers and web application developers. They have coauthored several books on software development. Table of Contents Introducing Angular The main artifacts of an Angular app Router basics Router advanced Dependency injection in Angular Reactive programming in Angular Laying out pages with Flex Layout Implementing component communications Change detection and component lifecycle Introducing the Forms API Validating forms Interacting with servers using HTTP Interacting with servers using the WebSocket protocol Testing Angular applications Maintaining app state with ngrx *Getting Started with Angular* - Minko Gechev 2017-02-24

Fast-track your web development skills to build high performance SPA with Angular 2 and beyond About This Book Up to date with the latest API changes introduced by Angular 2 and 4 Get familiar with the improvements to directives, change detection, dependency injection, router, and more Understand Angular's new component-based architecture Start using TypeScript to supercharge your Angular applications Who This Book Is For Do you want to jump in at the deep end of Angular? Or perhaps you're interested assessing the changes to AngularJS before moving over? If so, then "Getting Started with Angular" is the book for you. To get the most out of the book, you'll need to be familiar with AngularJS 1.x, and have a good understanding of JavaScript. What You Will Learn Understand the changes made from AngularJS with side-by-side code samples to help demystify the Angular learning curve Start working with Angular's new method of implementing directives Use TypeScript to write modern, powerful Angular applications Dig in to the change detection method, and other architectural changes to make sure you know what's going on under the hood of Angular Get to work with the new router in Angular Use the new features of Angular, including pipes, and the updated features such as forms, services, and dependency injection Learn about the server-side rendering in Angular to keep your new applications SEO-friendly Enhance your applications using Ahead-of-Time compilation and Web Workers In Detail I'm delighted to see

this new update and hope it helps you build amazing things with Angular. - Misko Hevery, Creator of AngularJS and Angular Angular is the modern framework you need to build performant and robust web applications. This book is the quickest way to upgrade your AngularJS knowledge to the brave new world of Angular, and get grips with the framework. It starts with an overview putting the changes of the framework in context with version 1. After that, you will be taken on a TypeScript crash-course so you can take advantage of Angular in its native, statically-typed environment. You'll explore the new change detection mechanism in detail, how directives and components have changed, how you create applications with Angular, and much more. Next, you'll understand how to efficiently develop forms, use the router, implement communication with HTTP services, and transform data with custom pipes. Finally, we will take a look at the Angular's Ahead-of-Time compiler, angular-cli and other such tools that help us build professional applications. By the end of the book, you'll be ready to start building quick and efficient Angular applications compatible with v2 and v4, that take advantage of all the new features on offer. This book is up to date for the 2.4 release and is compatible with the 4.0 release as well. Style and approach Starting with a comparison between Angular versions, this book is filled with side-by-side code examples to help highlight the changes. Each chapter then looks at major changes to the framework and is filled with small examples and sample code to get you started.

Mastering KVM Virtualization - Vedran Dakic
2020-08

Windows via C/C++ - Christophe Nasarre
2007-11-28

Master the intricacies of application development with unmanaged C++ code—straight from the experts. Jeffrey Richter's classic book is now fully revised for Windows XP, Windows Vista, and Windows Server 2008. You get in-depth, comprehensive guidance, advanced techniques, and extensive code samples to help you program Windows-based applications. Discover how to: Architect and implement your applications for both 32-bit and 64-bit Windows

Create and manipulate processes and jobs
Schedule, manage, synchronize and destroy threads
Perform asynchronous and synchronous device I/O operations with the I/O completion port
Allocate memory using various techniques including virtual memory, memory-mapped files, and heaps
Manipulate the default committed physical storage of thread stacks
Build DLLs for delay-loading, API hooking, and process injection
Using structured exception handling, Windows Error Recovery, and Application Restart services

Concise Guide to Object-Oriented

Programming - Kingsley Sage 2019-04-23

This engaging textbook provides an accessible introduction to coding and the world of Object-Oriented (OO) programming, using Java as the illustrative programming language. Emphasis is placed on what is most helpful for the first-time coder, in order to develop and understand their knowledge and skills in a way that is relevant and practical. The examples presented in the text demonstrate how skills in OO programming can be used to create applications and programs that have real-world value in daily life. Topics and features: presents an overview of programming and coding, a brief history of programming languages, and a concise introduction to programming in Java using BlueJ; discusses classes and objects, reviews various Java library objects and packages, and introduces the idea of the Application Programming Interface (API); highlights how OO design forms an essential role in producing a useful solution to a problem, and the importance of the concept of class polymorphism; examines what to do when code encounters an error condition, describing the exception handling mechanism and practical measures in defensive coding; investigates the work of arrays and collections, with a particular focus on fixed length arrays, the ArrayList, HashMap and HashSet; describes the basics of building a Graphical User Interface (GUI) using Swing, and the concept of a design pattern; outlines two complete applications, from conceptual design to implementation, illustrating the content covered by the rest of the book; provides code for all examples and projects at an associated website. This concise guide is ideal for the novice approaching OO programming for the first time, whether they are a student of computer science

embarking on a one-semester course in this area, or someone learning for the purpose of professional development or self-improvement. The text does not require any prior knowledge of coding, software engineering, OO, or mathematics.

The Little Book on CoffeeScript - Alex

MacCaw 2012-01-19

This concise book shows JavaScript developers how to build superb web applications with CoffeeScript, the remarkable language that's gaining considerable interest. Through example code, this guide demonstrates how CoffeeScript abstracts JavaScript, providing syntactical sugar and preventing many common errors. You'll learn CoffeeScript's syntax and idioms step by step, from basic variables and functions to complex comprehensions and classes. Written by Alex MacCaw, author of *JavaScript Web Applications* (O'Reilly), with contributions from CoffeeScript creator Jeremy Ashkenas, this book quickly teaches you best practices for using this language—not just on the client side, but for server-side applications as well. It's time to take a ride with the little language that could.

Discover how CoffeeScript's syntax differs from JavaScript Learn about features such as array comprehensions, destructuring assignments, and classes Explore CoffeeScript idioms and compare them to their JavaScript counterparts Compile CoffeeScript files in static sites with the Cake build system Use CommonJS modules to structure and deploy CoffeeScript client-side applications Examine JavaScript's bad parts—including features CoffeeScript was able to fix

Angularjs Succinctly - Frederik Dietz 2017-02-05

Author Frederik Dietz uses AngularJS Succinctly to outline common tasks and challenges for developers using Angular.js. With his help, novices and experts alike will find a reference that clearly outlines a variety of challenges, their solutions, and technical explanations for how the challenges are overcome. Whether you are a novice looking to understand Angular.js or an expert seeking a reference guide, AngularJS Succinctly is indispensable!

You Don't Know JS: Up & Going - Kyle

Simpson 2015-03-20

It's easy to learn parts of JavaScript, but much harder to learn it completely—or even

sufficiently—whether you're new to the language or have used it for years. With the "You Don't Know JS" book series, you'll get a more complete understanding of JavaScript, including trickier parts of the language that many experienced JavaScript programmers simply avoid. The series' first book, *Up & Going*, provides the necessary background for those of you with limited programming experience. By learning the basic building blocks of programming, as well as JavaScript's core mechanisms, you'll be prepared to dive into the other, more in-depth books in the series—and be well on your way toward true JavaScript. With this book you will:

- Learn the essential programming building blocks, including operators, types, variables, conditionals, loops, and functions
- Become familiar with JavaScript's core mechanisms such as values, function closures, this, and prototypes
- Get an overview of other books in the series—and learn why it's important to understand all parts of JavaScript

Programming Challenges - Steven S Skiena

2006-04-18

There are many distinct pleasures associated with computer programming. Craftsmanship has its quiet rewards, the satisfaction that comes from building a useful object and making it work. Excitement arrives with the flash of insight that cracks a previously intractable problem. The spiritual quest for elegance can turn the hacker into an artist. There are pleasures in parsimony, in squeezing the last drop of performance out of clever algorithms and tight coding. The games, puzzles, and challenges of problems from international programming competitions are a great way to experience these pleasures while improving your algorithmic and coding skills. This book contains over 100 problems that have appeared in previous programming contests, along with discussions of the theory and ideas necessary to attack them. Instant online grading for all of these problems is available from two WWW robot judging sites. Combining this book with a judge gives an exciting new way to challenge and improve your programming skills. This book can be used for self-study, for teaching innovative courses in algorithms and programming, and in training for international competition. The problems in this book have

been selected from over 1,000 programming problems at the Universidad de Valladolid online judge. The judge has ruled on well over one million submissions from 27,000 registered users around the world to date. We have taken only the best of the best, the most fun, exciting, and interesting problems available.

Pro Angular 6 - Adam Freeman 2018-10-10
Best-selling author Adam Freeman shows you how to use Angular in your projects, starting from the nuts and bolts and building up to the most advanced and sophisticated features, going in-depth to give you the knowledge you need. Chapters include common problems and how to avoid them. Additionally, this book now has accompanying online files for Angular 7; all examples in the book work without changes in Angular 7. Get the most from Angular, the leading framework for building dynamic JavaScript applications. Understand the MVC pattern and the benefits it can offer. What You'll Learn Gain a solid architectural understanding of the MVC Pattern Create rich and dynamic web app clients using Angular Use the ng tools to create and build an Angular project Extend and customize Angular Test your Angular projects What's New in This Edition Revised for the features and changes in Angular 6 and 7 Covers @angular/cli, ng command line tools, and WebPack Includes HttpClient for simplified asynchronous HTTP requests Presents updates to pipes and localized text display Who This Book Is For Web developers with a foundation knowledge of HTML and JavaScript who want to create rich client-side applications
Official Gazette of the United States Patent and Trademark Office - 1991

Angular: Up and Running - Shyam Seshadri 2018-05-31

This book will demystify Angular as a framework, as well as provide clear instructions and examples on how to get started with writing scalable Angular applications. Angular: Up & Running covers most of the major pieces of Angular, but in a structured manner that is generally used in hands-on training. Each chapter takes one concept, and use examples to cover how it works. Problems to work on (with solutions) at the end of each chapter reinforce the learnings of each chapter and allow readers

to really get hands-on with Angular.

Angularjs, JavaScript, and JQuery All in One, Sams Teach Yourself - Brad Dayley 2015-07-27
This is the first complete, integrated beginner's introduction to modern, single-page web application development. Unlike other AngularJS guides, Sams Teach Yourself AngularJS, JavaScript, and jQuery All in One assumes absolutely no previous knowledge of JavaScript or jQuery. Brad Dayley and Brendan Dayley begin by helping you gain the relevant JavaScript skills you need, introducing JavaScript in a way specifically designed for modern AngularJS web development. Each short, easy lesson builds on all that's come before, teaching new concepts and techniques from the ground up, through practical examples and hands-on problem solving. Step by step, the authors show how to: Construct dynamic web pages Use CSS/CSS3 styles to create dynamic designs and layouts Work with JavaScript syntax and objects Implement jQuery and JavaScript in web pages Apply events to create richly interactive web pages Dynamically access and manipulate pages Access external and server-side data Use jQuery to build richly interactive pages with animation, effects, forms, and advanced elements Build advanced interactions with jQuery UI Get started with AngularJS and understand its unique application dynamics Implement the AngularJS scope as a data model Use AngularJS templates, views, directives, and custom directives Implement and create AngularJS Services Build rich web application components the AngularJS way Throughout, step-by-step instructions guide you through the most common tasks; practical, hands-on examples help you apply what you learn; quizzes and exercises test your knowledge and stretch your skills. By the time you're done, you'll be confidently building the modern single-page web applications everyone's looking for!

Developing with Angular - Denys Vuika 2018-11-10

This book gives you a broad practical overview of the Angular framework and related modern web technologies. It provides the guidance for the process of web component development that includes Angular and Angular CLI, TypeScript and ES6, applications bundling with Webpack, and other essentials.

Pro Angular - Adam Freeman 2017-01-24
Angular 5 updates for this book are now available. Follow the Download source code link for this book on the Apress website. Get the most from Angular 2, the leading framework for building dynamic JavaScript applications. Best-selling author Adam Freeman begins by describing the MVC pattern and the benefits it can offer and then shows you how to use Angular in your projects, starting from the nuts-and-bolts and building up to the most advanced and sophisticated features, going in-depth to give you the knowledge you need. Each topic is covered clearly and concisely and is packed with the details you need to learn to be truly effective. The most important features are given a no-nonsense in-depth treatment and chapters include common problems and details of how to avoid them. What you'll learn Gain a solid architectural understanding of the MVC Pattern Learn how to create rich and dynamic web app clients using Angular 2 Learn how to extend and customize Angular 2 Learn how to test your Angular 2 projects Who this book is for Web developers with a foundation knowledge of HTML and JavaScript who want to create rich client-side applications.

Angular for Material Design - Venkata Keerti Kotaru 2019-12-09

Build Angular applications faster and better with TypeScript and Material Design. You will learn how to build a web interface and use Google's open source Angular Material library of ready-made and easy-to-use components. This book uses Angular with TypeScript (a superset to JavaScript) to enable use of data types and take advantage of programming constructs such as classes, interfaces, generic templates, and more. You also will utilize various Angular features, including data binding, components, services, etc. You will build a single page application with the help of routing capabilities available out of the box (Angular CLI) and interface with remote services over HTTP. What You Will Learn Build an application using Angular, TypeScript, and Angular Material Understand Angular concepts such as components, directives, services, and more Use TypeScript features, including data types, classes, interfaces, generic templates, etc. Build a single page application (SPA) with routing features and integrate it with server-side

remote services Who This Book Is For Beginning to intermediate level professionals will learn about web development using Angular, TypeScript, and Angular Material. Patterns and practices are recommended to be a successful developer. Basic knowledge of JavaScript is helpful.

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

learnAdopt a minimalist, value-first approach to delivering web appsMaster Angular development fundamentals, RxJS, CLI tools, GitHub, and DockerDiscover the flux pattern and NgRxImplement a RESTful APIs using Node.js, Express.js, and MongoDBCreate secure and efficient web apps for any cloud provider or your own serversDeploy your app on highly available cloud infrastructure using DevOps, CircleCI, and AWSWho 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.

Intelligent Computing - Kohei Arai 2019-07-08 This book presents the proceedings of the Computing Conference 2019, providing a comprehensive collection of chapters focusing on core areas of computing and their real-world applications. Computing is an extremely broad discipline, encompassing a range of specialized fields, each focusing on particular areas of technology and types of application, and the conference offered pioneering researchers, scientists, industrial engineers, and students from around the globe a platform to share new ideas and development experiences. Providing state-of-the-art intelligent methods and techniques for solving real- world problems, the book inspires further research and technological advances in this important area.

AngularJS Design Patterns - Rodrigo Branas 2014-02-21

This book is strongly recommended for those who have a passion for web development and who are looking for a framework that can provide a reusable, maintainable, and modular way to create applications and increase their productivity.

Ionic 4+ - Andreas Dormann 2019-09-19 "Ionic 4+- Creating awesome apps for iOS, Android, Desktop & Web" is aimed at software developers who previously had little or nothing to do with programming apps or who had worked with other tools and frameworks and would like to build cool apps in an easy way. The book spans from the idea of the popular app

framework and its installation to the realization of a complete app including its publication on Apple App Store, Google Play, for Desktop by using Electron or as Progressive Web App (PWA). Each of the twelve chapters is dedicated to its own aspect of Ionic. In the process, new functionalities are gradually being added to an initially simply designed tourism app called "BoB Tours". At the end of this book, the reader not only knows the key features of Ionic, but has also understood how the whole works in context. He/She finally has the necessary knowledge to be able to develop his/her own awesome apps with Ionic. A comprehensive introduction to Ionic on more than 600 pages. Level: Beginner ++ Intermediate +++ Advanced + Table of Contents: 1. Introduction, 2. Angular Essentials, 3. The first app, 4. Navigation, 5. Services and Storages, 6. UI Components, 7. Form validation, 8. Theming, styling, customizing, 9. Ionic Native, 10. Communication and Messaging, 11. Debugging and Testing, 12. Build, Deploy and Publish, Bonus chapter: Ionic without any framework, Ionic and Capacitor, Ionic and React, Ionic and Vue Predecessor's Press Reviews: "The author manages to quickly familiarize experienced JavaScript and Angular developers with the finesses of the framework." (c't) "Our conclusion can only be: absolute recommendation." (netznews.org) "At the moment Dormann's book about Ionic is practically unrivaled." (c't) Buyers of the paperback edition get the ebook for free.

Electronic Design Automation - Laung-Terng Wang 2009-03-11

This book provides broad and comprehensive coverage of the entire EDA flow. EDA/VLSI practitioners and researchers in need of fluency in an "adjacent" field will find this an invaluable reference to the basic EDA concepts, principles, data structures, algorithms, and architectures for the design, verification, and test of VLSI circuits. Anyone who needs to learn the concepts, principles, data structures, algorithms, and architectures of the EDA flow will benefit from this book. Covers complete spectrum of the EDA flow, from ESL design modeling to logic/test synthesis, verification, physical design, and test - helps EDA newcomers to get "up-and-running" quickly Includes comprehensive coverage of EDA concepts, principles, data

structures, algorithms, and architectures - helps all readers improve their VLSI design competence Contains latest advancements not yet available in other books, including Test compression, ESL design modeling, large-scale floorplanning, placement, routing, synthesis of clock and power/ground networks - helps readers to design/develop testable chips or products Includes industry best-practices wherever appropriate in most chapters - helps readers avoid costly mistakes

RxJS in Action - Paul Daniels 2017-07-20

Summary RxJS in Action gives you the development skills you need to create reactive applications with RxJS. This book is full of theory and practical examples that build on each other and help you begin thinking in a reactive manner. Foreword by Ben Lesh, Project lead, RxJS 5. Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications. About the Technology On the web, events and messages flow constantly between UI and server components. With RxJS, you can filter, merge, and transform these streams directly, opening the world of data flow programming to browser-based apps. This JavaScript implementation of the ReactiveX spec is perfect for on-the-fly tasks like autocomplete. Its asynchronous communication model makes concurrency much, much easier. About the Book RxJS in Action is your guide to building a reactive web UI using RxJS. You'll begin with an intro to stream-based programming as you explore the power of RxJS through practical examples. With the core concepts in hand, you'll tackle production techniques like error handling, unit testing, and interacting with frameworks like React and Redux. And because RxJS builds on ideas from the world of functional programming, you'll even pick up some key FP concepts along the way. What's Inside Building clean, declarative, fault-tolerant applications Transforming and composing streams Taming asynchronous processes Integrating streams with third-party libraries Covers RxJS 5 About the Reader This book is suitable for readers comfortable with JavaScript and standard web application architectures. About the Author Paul P. Daniels is a professional software engineer with experience in .NET, Java, and JavaScript. Luis

Atencio is a software engineer working daily with Java, PHP, and JavaScript platforms, and author of Manning's Functional Programming in JavaScript. Table of Contents PART 1 - UNDERSTANDING STREAMS Thinking reactively Reacting with RxJS Core operators It's about time you used RxJS PART 2 - OBSERVABLES IN PRACTICE Applied reactive streams Coordinating business processes Error handling with RxJS PART 3 MASTERING RXJS Heating up observables Toward testable, reactive programs RxJS in the wild

Angular in Action - Jeremy Wilken 2018-03-07

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

Technologies, and Google Assistant. He has many years of experience building web applications and libraries for eBay, Teradata, and VMware. Table of Contents Angular: a modern web platform Building your first Angular app App essentials Component basics Advanced components Services Routing Building custom directives and pipes Forms Testing your application Angular in production

Web Development with Angular and

Bootstrap - Sridhar Rao Chivukula 2019-08-30

Combine the power of Angular, Bootstrap 4, FlexLayout, and Angular Material Design to build elegant user interfaces Key Features Learn to combine Angular 6 with Bootstrap 4 to design highly intuitive and responsive web interfaces Explore the design principles for professional web layout with Angular Material, Flexbox, and Bootstrap Avoid potential stumbling blocks in web development with the help of expert tips Book Description Angular and Bootstrap have undergone a major overhaul to embrace emerging web technologies that help developers build cutting-edge web applications. This book is for you if you're ready to enhance your web development skills beyond HTML and CSS. It begins with the basics of Angular and Bootstrap 4, along with an introduction to ES and TypeScript. You'll be able to refine your skills further with flex-layout's Responsive API to specify different layouts and sizing for various screen sizes. By using Angular Material, you'll discover how to make your web pages look professional. You'll study how to format output using Angular's pipes and use the built-in router to set up routes for all your components. With the help of Webpack, you'll be able to easily wrap up your project and use SASS to make things pretty. Furthermore, you can validate the forms you've built and debug your application. This book will also guide you in transitioning from Bootstrap to Angular smoothly, hooking up with a server, and using Firebase as the persistence layer. You'll not only develop the right skills, but also gain insights into the potential stumbling blocks and tips for how to avoid them. By the end of this book, you'll have a stunning e-commerce application running, along with the confidence to build your own applications. What you will learn Develop Angular single-page applications using an

ecosystem of helper tools Get familiar with Bootstrap's new grid and helper classes Embrace TypeScript and ECMAScript to write more maintainable code Implement custom directives for Bootstrap 4 with the ng2-bootstrap library Understand the component-oriented structure of Angular and its router Use the built-in HTTP library to work with API endpoints Manage your app's data and state with observables and streams Combine Angular and Bootstrap 4 with Firebase to develop a solid example Who this book is for Whether you already know a little about Bootstrap or Angular or you're a complete beginner, this book will enhance your capabilities in both frameworks. It will guide you in easily building a fully functional web app. Working knowledge of HTML, CSS, and JavaScript is required to get a better understanding of Bootstrap and Angular.

JavaScript Testing with Jasmine - Evan Hahn 2013-04-15

Developers looking to keep their JavaScript code bug-free will want to unit test using Jasmine, one of the most popular unit testing frameworks around. Any project of meaningful size should be automatically tested to help catch bugs as early as possible. Jasmine, a testing framework for JavaScript, makes it easy to test JavaScript projects, from browser-based applications to Node.js. While a quick understanding of Jasmine can be gleaned from the project's homepage, the framework has a lot of details and exciting plugins. This book explores Jasmine in a depth that can't be found elsewhere. This book provides: Exposure to some Jasmine plugins, to extend Jasmine and allow for more functionality and more thorough testing An Understanding of Jasmine's main features, to allow code to be automatically tested and reduce bugs An Explanation of how to get Jasmine working in different environments (in the browser, in Node.js, through Rails, et cetera), to make Jasmine easier to work with

Ng-Book - Nathaniel Murray 2018-02-06

Ng-Book - Nathan Murray 2018-02-06

ng-book. The in-depth, complete, and up-to-date book on Angular. Become an Angular expert today. Updated for Angular, Angular CLI, and Community Style Guide Ready to master Angular? What if you could master the entire

framework - with solid foundations - in less time without beating your head against a wall? Imagine how quickly you could work if you knew the best practices and the best tools? Stop wasting your time searching and have everything you need to be productive in one, well-organized place, with complete examples to get your project up without needing to resort to endless hours of research. You will learn what you need to know to work professionally with ng-book: The Complete Book on Angular. Get up and running quickly The first chapter opens with building your first Angular app. Within the first few minutes, you'll know enough to have an app running Lots of Sample Apps and Code When you buy ng-book, you're not buying just a book, but dozens of code examples. Every chapter in the book comes with a complete project that uses the concepts in the chapter. The code is available for download, free from our website. Table of Contents Writing your first Angular web application How Angular Works Built-in Directives Forms in Angular 2 HTTP and APIs Routing Dependency Injection Data Architecture in Angular 2 Data Architecture with Observables and RxJS Data Architecture with Redux Redux and TypeScript Data Architecture with Redux Advanced Components Testing Converting an Angular 1 app to Angular Comprehensive You'll learn core Angular concepts - from how Angular works under the hood, to rich interactive components, from in-depth testing to real-world applications Best Practices Learn Angular best practices, such as: testing, code organization, and how to structure your app for performance. We'll walk through practical, common examples of how to implement complete components of your applications Example Apps included in the book The book comes with sample apps that show you how to create: A component-based Reddit clone A real-time chat app using RxJS Observables A YouTube search-as-you-type app A Spotify search for tracks with playable song preview Plus lots more mini-examples that show you how to write Components, how to use Forms, and how to use APIs The code examples currently have over 5,500+ lines of runnable code (TypeScript, non-comment lines) What our Customers Say "Fantastic work guys! I have no idea where I'd be with Angular without ng-book. You guys have made this SOOOO much easier to

learn and keep up with. Thanks again..you guys are awesome!" -- Jacob Cheriathundam "Just finished ng-book2. I think it is the best learning material one can find about Angular today." -- Jegor Uglov FAQ What version does the book cover? This revision of the book covers up to angular-4.1.0. An updated version of the code is available for free at our website. Do I have to know Angular 1? Nope! We don't assume that you've used Angular 1. This book teaches Angular from the ground up. Of course, if you've used Angular 1, we'll point out common ideas (because there are many), but ng-book stands on its own Is ng-book an upgrade to ng-book 1? No. This is a completely new book and shares no content or code with ng-book 1. Angular 1 and Angular 2+ are two different frameworks and ng-book 1 and ng-book are two different books.

Aeronautical Engineering - 1993

A selection of annotated references to unclassified reports and journal articles that were introduced into the NASA scientific and technical information system and announced in Scientific and technical aerospace reports (STAR) and International aerospace abstracts (IAA)

Learning AngularJS - Brad Dayley 2015

Provides information on how to create interactive web applications using AngularJS, including how to define modules and utilize dependency injection, build dynamic browser views, and create custom directives to extend HTML.

Code Craft - Pete Goodliffe 2007

A guide to writing computer code covers such topics as variable naming, presentation style, error handling, and security.

Pro Angular 9 - Adam Freeman 2020-06-12

This book has accompanying online files for Angular 9, 10 and 11; all examples in the book work without changes in Angular 10 or 11. Welcome to this one-stop-shop for learning Angular. Pro Angular is the most concise and comprehensive guide available, giving you the knowledge you need to take full advantage of this popular framework for building your own dynamic JavaScript applications. The fourth edition of this full-color guide explains how to get the most from Angular, starting with an in-depth overview of the MVC pattern and presenting the range of benefits it can offer.

From there, you will begin learning how to use Angular in your projects, starting with the nuts-and-bolts concepts, and progressing on to more advanced and sophisticated features. Each topic provides you with precisely enough learning and detail to be effective. In true Adam Freeman style, the most important features are given full court press treatment, while also addressing common problems and how to avoid them. What You Will Learn: Get access to accompanying online files for Angular 9, 10 and 11; book examples work without changes in Angular 10 or 11 Gain a solid architectural understanding of the MVC Pattern Create rich and dynamic web app clients using Angular Use the ng tools to create and build an Angular project Extend and customize Angular Acquire skills to unit test your Angular projects Who This Book Is For: This book is for web developers who want to create rich client-side applications. Foundational knowledge of HTML and JavaScript is recommended.

"Adam's books provide a finely tuned blend of architectural overview, technical depth, and experience-born wisdom. His clear, concise writing style, coupled with project driven real world examples, make me comfortable recommending his books to a broad audience, ranging from developers working with a technology for the first time to seasoned professionals who need to learn a new skill quickly." Keith Dublin, Solution Principal, Slalom Consulting "Adam's books are the print version of a chat bot. His investment in learning how developers learn pays off in dividends, making this one of the most comprehensive resources available. Novices and experienced professionals alike will gain knowledge from the accessible and insightful material." Mark Donile, Software Engineer, MS CS

[Learn Angularjs in 1 Day - Krishna Rungta](#)
2018-08-09

Angular JS is responsible for making the website interactive and responsive. It helps designer and developers to eliminate much of the code usually needed for websites development. Angular JS is based upon MVC model. To learn and harness more power of the Angular JS framework, it takes a continuous intervention from an expert. But if you like to learn by yourself without spending big bucks behind expensive courses. This e-book could be your ultimate guide to

AngularJS or AngularJS 2 Programming. The book covers all basic fundamentals of Angular JS like Routes, Modules, Directives, Dependency Injection and so on. The images and examples are well-illustrated addressing each and every glitch of Angular JS. The book purpose is to make Angular JS easier, simpler and interesting such that even beginners will feel like a pro at the end of the book. This edition promises your eventual mastery of AngularJS. The best thing about the book is that it is small and can be completed in a day. It will not only save your time but also accomplish our goal to save your effort in learning all needless jargons of Angular JS. With this e-book, you will be ready to create angular UI development as well as large scale applications effortlessly. Table Of Content
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