Angular 6 For Enterprise Ready Web Applications Deliver Production Ready And Cloud Scale Angular Web Apps

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Over 90 Recipes to Develop Your Enterprise-Scale Angular Web Development Skills "O'Reilly Media, Inc." 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

Over 80 actionable recipes every Angular
developer should know Packt Publishing Ltd
Discover actionable solutions to everyday
problems in building applications with Angular
and TypeScript, from app design to production
deployment Key Features: Explore recipes across
core Angular topics to fill gaps in your
knowledge of using Angular in production
Discover industry best practices and tooling to
enhance your development experience with
Angular Understand advanced topics in Angular
to help you become a proficient enterprise web
developer Book Description: The Angular
framework, powered by Google, is the framework
of choice for many web development projects
built across varying scales. It's known to
provide much-needed stability and a rich
tooling ecosystem for building production-ready
web and mobile apps. This recipe-based guide
enables you to learn Angular concepts in depth

using a step-by-step approach. You'll explore a
wide range of recipes across key tasks in web
development that will help you build high-
performance apps. The book starts by taking you
through core Angular concepts such as Angular
components, directives, and services to get you
ready for building frontend web apps. You'll
develop web components with Angular and go on to
cover advanced concepts such as dynamic
components loading and state management with
NgRx for achieving real-time performance. Later
chapters will focus on recipes for effectively
testing your Angular apps to make them fail-
safe, before progressing to techniques for
optimizing your app's performance. Finally,
you'll create Progressive Web Apps (PWA) with
Angular to provide an intuitive experience for
users. By the end of this Angular book, you'll
be able to create full-fledged, professional-
looking Angular apps and have the skills you
need for frontend development, which are crucial
for an enterprise Angular developer. What You
Will Learn: Gain a better understanding of how
components, services, and directives work in
Angular Understand how to create Progressive Web
Apps using Angular from scratch Build rich
animations and add them to your Angular apps
Manage your app's data reactivity using RxJS
Implement state management for your Angular apps
with NgRx Optimize the performance of your new
and existing web apps Write fail-safe unit tests
and end-to-end tests for your web apps using
Jest and Cypress Get familiar with Angular CDK
components for designing effective Angular
components Who this book is for: The book is for
intermediate-level Angular web developers
looking for actionable solutions to common
problems in Angular enterprise development.
Mobile developers using Angular technologies
will also find this book useful. Working
experience with JavaScript and TypeScript is
necessary to understand the topics covered in
this book more effectively.

Gain a solid understanding of TypeScript, Angular, Vue, React, and NestJS Apress
Learn NativeScript to build native mobile applications with Angular, TypeScript, JavaScript About This Book Power packed hands-on guide to help you become pro-efficient with NativeScript Harness the power of your web development skills with JavaScript and Angular to build cross-platform mobile apps Create highly maintainable and feature-rich apps with TypeScript and NativeScript APIs Who This Book Is For This book assumes you have a general understanding of TypeScript, have heard of NativeScript and know what it's about, and

are familiar with Angular (2.0). You don't need to be an expert in any of these technologies, but having some sense of them before reading is recommended this book, which is ideal for intermediate to advanced users. What You Will Learn Bootstrap a NativeScript for Angular app Best practices for project organization Style your app with CSS/SASS Use Angular together with NativeScript to create cross-platform mobile apps Take advantage of powerful Angular features, such as Dependency Injection, Components, Directives, Pipes, and NgModules right within your NativeScript apps Gain insight into great project organization and best practices Use Objective C/Swift and Java APIs directly from TypeScript Use rich framework features and third-party plugins Style your app with CSS/SASS Integrate @ngrx/store + @ngrx/effects to help with state management Test your app with Karma and Appium In Detail NativeScript is an open source framework that is built by Progress in order to build truly native mobile apps with TypeScript, JavaScript or just Angular which is an open source framework built by Google that offers declarative templates, dependency injection, and fully featured modules to build rich applications. Angular's versatile view handling architecture allows your views to be rendered as highly performant UI components native to iOS and Android mobile platforms. This decoupling of the view rendering layer in Angular combined with the power of native APIs with NativeScript have together created the powerful and exciting technology stack of NativeScript for Angular. This book focuses on the key concepts that you will need to know to build a NativeScript for Angular mobile app for iOS and Android. We'll build a fun multitrack recording studio app, touching on powerful key concepts from both technologies that you may need to know when you start building an app of your own. The structure of the book takes the reader from a void to a deployed app on both the App Store and Google Play, serving as a reference guide and valuable tips/tricks handbook. By the end of this book, you'll know majority of key concepts needed to build a successful NativeScript for Angular app.

Learn to Harness the Power of Reactive Programming with RxJS and ngrx Extensions Packt Publishing Ltd

Master the TypeScript language and its latest features, explore modern web application frameworks, and build modular systems using industry standard architectural principles and design patterns. Key Features: Explore TypeScript 4's key elements and advanced language features Use TypeScript with modern frameworks such as Angular, Vue, React, RxJS and Node Understand TDD, serverless techniques, micro frontends, and other industry-standard best practices to create high-quality and modular apps Book Description: TypeScript is both a language and a set of tools to generate JavaScript. It was designed by Anders Hejlsberg at Microsoft to help developers write enterprise-scale JavaScript. Using a fast-paced, but easy-to-follow set of code samples, this fourth edition will get you up and running with Typescript quickly, introduce core concepts, and then build on this knowledge to understand, and then apply more advanced language features. Mastering TypeScript, Fourth Edition also covers a variety of modern JavaScript and TypeScript frameworks and compares their respective strengths and weaknesses. As you advance through this TypeScript book, you'll explore Angular, React, Vue, RxJs, Express, Node and others. You'll get up to speed with unit and integration testing, data transformation, serverless technologies, and asynchronous programming. You'll also learn how to integrate with existing JavaScript libraries, control your compiler options, and use decorators and generics. By the end of the book, you will have built a comprehensive set of web applications using Angular, React and Vue, finally integrating them into a single cohesive website, using micro frontend techniques. Mastering TypeScript, Fourth Edition is about learning the language, understanding when to apply its features, and then selecting the right framework that is the perfect fit for your real-world project. What You Will Learn: Gain insights into core and advanced TypeScript language features Integrate with existing JavaScript libraries and third-party frameworks Build full working applications using JavaScript frameworks, such as Angular, React, Vue and more Create test suites for your application with Jest and Selenium Apply industry standard design patterns to build modular code Develop web server solutions using Node and Express Design and implement serverless API solutions Explore micro front-end technologies and

techniques Who this book is for: This book serves as a guide for beginners, as well as providing practical insights and techniques for experienced JavaScript and TypeScript programmers. No prior knowledge of JavaScript is required. If you are keen to learn TypeScript, this book will give you all the necessary knowledge and skills to tackle any TypeScript project. It will also give you an understanding of what application frameworks are out there, and which one to choose for your next project. If you are already an experienced JavaScript or TypeScript developer, then this book will take your skills to the next level.

Eddie Brown's Investing and Life Strategies Packt Publishing Ltd Learn how to build app store-ready hybrid apps with Ionic, the framework built on top of Apache Cordova (formerly PhoneGap) and Angular. This revised guide shows you how to use Ionic's tools and services to develop apps with HTML, CSS, and TypeScript, rather than rely on platform-specific solutions found in Android, iOS, and Windows Universal. Author Chris Griffith takes you step-by-step through Ionic's powerful collection of UI components, and then helps you use it to build three cross-platform mobile apps. Whether you're new to this framework or have been working with Ionic 1, this book is ideal for beginning, intermediate, and advanced web developers. Understand what a hybrid mobile app is, and what comprises a basic Ionic application Learn how Ionic leverages Apache Cordova, Angular, and TypeScript to create native mobile applications Create a Firebase-enabled to-do application that stores data across multiple clients Build a tab-based National Park explorer app with Google Map integration Develop a weather app with the Darksky weather API and Google's GeoCode API Debug and test your app to resolve issues that arise during development Walk through steps for deploying your app to native app stores Learn how Ionic can be used to create Progressive Web Apps

Full Stack Development with JHipster Packt Publishing Ltd 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 man- age 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
Enterprise Application Development with C# 9 and .NET 5 Packt

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Angular 6 for Enterprise-Ready Web ApplicationsDeliver production-ready and cloud-scale Angular web appsPackt Publishing Ltd

Mastering TypeScript - Fourth Edition Apress

Welcome to this one-stop-shop for learning Angular 9. Pro Angular 9 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 popular guide explains how to get the most from Angular 9, 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 in this full-color book 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: Gain a solid architectural understanding of the MVC Pattern Create rich and dynamic web app clients using Angular 9 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

Mastering TypeScript Packt Publishing Ltd

This book is a guide to the TypeScript language, from basic concepts to advanced features, and will get you up and running quickly. You'll learn TypeScript programming in depth as you use popular application frameworks and utilize modern design patterns and architectural patterns to build modular, testable and enterprise-ready applications.

Hands-On Full Stack Web Development with Angular 6 and Laravel 5 Packt Publishing Ltd

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 ...

Cross-Platform Apps with Ionic, Angular, and Cordova Packt Publishing Ltd

Get a comprehensive introduction to the major Angular framework rewrite known as Angular Ivy Key Features Upgrade your Angular applications from traditional View Engine to modern Angular Ivy Get a detailed walkthrough of the new features and breaking changes in Angular Explorer new Angular APIs, syntax, tooling, and configurations for modern frontend web development Book Description Angular Ivy is the latest rendering engine and compiler introduced in Angular. Ivy helps frontend developers to make their Angular applications faster, better optimized, and more robust. This easy-to-follow guide will help you get to grips with the new features of Angular Ivy and show you how to migrate your Angular apps from View Engine to Ivy. You'll begin by learning about the most popular features of Angular Ivy with the help of simple stand-alone examples and realize its capabilities by working on a real-world application project. You'll then discover strategies to improve your developer workflow through new debugging APIs, testing APIs, and configurations that support higher code quality and productive development features. Throughout the book, you'll explore essential components of Angular, such as Angular Component Dev Kit (CDK), Ahead-of-time (AOT) compilation, and Angular command line interface (CLI). Finally, you'll gain a clear understanding of these components along with Angular Ivy which will help you update your Angular applications with modern features. By the end of this Angular Ivy book, you will learn about the core features of Angular Ivy, discover how to migrate your Angular View Engine application, and find out how to set up a high-quality Angular Ivy project. What you will learn Find out why Angular Ivy tests are faster and more robust Explore the concept of CSS custom properties and scoping of

values and learn how to use them with Angular Ivy Use testing harnesses present in Angular components to write effective tests Explore the architecture of the Angular compatibility compiler and understand why it is important Discover effective techniques for migrating your existing Angular apps to the Ivy engine Overcome challenges that you might face when switching to AOT compilation Who this book is for This book is for experienced Angular web developers who want to migrate to the latest Ivy engine for building faster web applications. Intermediate knowledge of Angular and TypeScript will help you get the most out of this book.

Mastering Angular Components Packt Publishing Ltd

By covering the impressive capabilities of ASP.NET Core 5 and Angular 11, right from project setup through to the deployment phase, this fully revised and updated edition will help you develop your skills effectively.

Build enterprise-ready, industrial-strength web applications using TypeScript 3 and modern frameworks, 3rd EditionSimon and Schuster

Build modern, fast, and progressive web applications using modern features of PHP 7 and TypeScript Key Features Explore the latest features of Angular and Laravel to build applications that are powerful, consistent, and maintainable Develop modern user interfaces with a reusable component-based architecture using Angular 6 and Bootstrap 4 Learn how to build secure backend APIs with Laravel Book Description Angular, considered as one of the most popular and powerful frontend frameworks, has undergone a major overhaul to embrace emerging web technologies so that developers can build cutting-edge web applications. This book gives you practical knowledge of building modern full-stack web apps from scratch using Angular with a Laravel Restful back end. The book begins with a thorough introduction to Laravel and Angular and its core concepts like custom errors messages, components, routers, and Angular-cli, with each concept being explained first, and then put into practice in the case-study project. With the basics covered, you will learn how sophisticated UI features can be added using NgBootstrao and a component-based architecture. You will learn to extend and customize variables from Bootstrap CSS framework. You will learn how to create secure web application with Angular and Laravel using token based authentication. Finally, you will learn all about progressive web applications and build and deploy a complete fullstack application using Docker and Docker-compose. By the end of this book, you'll gain a solid understanding of Angular 6 and how it interacts with a Laravel 5.x backend What you will learn Explore the core features of Angular 6 to create sophisticated user interfaces Use Laravel 5 to its full extent to create a versatile backend layer based on RESTful APIs Configure a web application in order to accept user-defined data and persist it into the database using server-side APIs Build an off-line-first application using service-worker and manifest file Deal with token based authentication on single page application (SPA). Secure your application against threats and vulnerabilities in a time efficient way Deploy using Docker and Docker-compose Who this book is for This book targets developers who are new to Angular, Laravel, or both, and are seeking a practical, best-practice approach to development with these technologies. They must have some knowledge of HTML, CSS and JavaScript. Familiarity of PHP is assumed to get the most from this book.

Build full stack applications and microservices with Spring Boot and modern JavaScript frameworks, 2nd Edition Packt Publishing Ltd

From Angular core team member and creator of the router About This Book Written by the creator of the Angular router, giving you the best information straight from the source Get full coverage of the entire Angular Router library and understand exactly how every command works Essential for all serious users of Angular who need to manage states within their applications Who This Book Is For To get the most from this book, you should already have a good understanding of Angular and general web development. What You Will Learn Understand the role of the Angular router and how to make the most of it Build and parse complex URLs Learn about the componentless and empty-path routes Take control of states in your application Make use of imperative navigation Understand guards and how they can benefit your applications Optimize configuration and run tests on your routing In Detail Managing state transitions is one of the hardest parts of building applications. This is especially true on the web, where you also need to ensure that the state is reflected in the URL. In addition, you might want to split applications into multiple bundles and load them on demand. Doing this transparently isn't easy. The Angular router solves these problems. Using the router, you can declaratively specify application states, manage state transitions while taking care of the URL, and load bundles on demand. This book is a

complete description of the Angular router written by its designer. It goes far beyond a how-to-get-started guide and talks about the library in depth. The mental model, design constraints, and the subtleties of the API-everything is covered. You'll learn in detail how to use the router in your own applications. Predominantly, you'll understand the inner workings of the router and how you can configure it to work with any edge cases you come across in your sites. Throughout the book, you'll see examples from real-world use in the MailApp application. You can view the full source of this application and see how the router code works to manage the state of the application and define what is visible on screen. Reading this book will give you deep insights into why the router works the way it does and will make you an Angular router expert. Style and approach This is an extremely practical book full of code examples and descriptions to help you understand the inner workings of the Angular router.

Build component-based user interfaces using Angular, 2nd Edition
Packt Publishing Ltd
Microservices are the next big thing in designing scalable, easy-to-maintain applications. This latest edition of Mastering Microservices with Java, works on Java 11. It covers a wide range of exciting, new developments in the world of microservices such as microservices patterns, interprocess communication with gRPC, and service orchestration.

Become fluent in both frontend and backend web development with Docker, Angular and Laravel Packt Publishing Ltd
Discover actionable solutions to everyday problems in building applications with Angular and TypeScript, from app design to production deployment Key Features Explore recipes across core Angular topics to fill gaps in your knowledge of using Angular in production Discover industry best practices and tooling to enhance your development experience with Angular Understand advanced topics in Angular to help you become a proficient enterprise web developer Book Description The Angular framework, powered by Google, is the framework of choice for many web development projects built across varying scales. It's known to provide much-needed stability and a rich tooling ecosystem for building production-ready web and mobile apps. This recipe-based guide enables you to learn Angular concepts in depth using a step-by-step approach. You'll explore a wide range of recipes across key tasks in web development that will help you build high-performance apps. The book starts by taking you through core Angular concepts such as Angular components, directives, and services to get you ready for building frontend web apps. You'll develop web components with Angular and go on to cover advanced concepts such as dynamic components loading and state management with NgRx for achieving real-time performance. Later chapters will focus on recipes for effectively testing your Angular apps to make them fail-safe, before progressing to techniques for optimizing your app's performance. Finally, you'll create Progressive Web Apps (PWA) with Angular to provide an intuitive experience for users. By the end of this Angular book, you'll be able to create full-fledged, professional-looking Angular apps and have the skills you need for frontend development, which are crucial for an enterprise Angular developer. What you will learn Gain a better understanding of how components, services, and directives work in Angular Understand how to create Progressive Web Apps using Angular from scratch Build rich animations and add them to your Angular apps Manage your app's data reactivity using RxJS Implement state management for your Angular apps with NgRx Optimize the performance of your new and existing web apps Write fail-safe unit tests and end-to-end tests for your web apps using Jest and Cypress Get familiar with Angular CDK components for designing effective Angular components Who this book is for The book is for intermediate-level Angular web developers looking for actionable solutions to common problems in Angular enterprise development. Mobile developers using Angular technologies will also find this book useful. Working experience with JavaScript and TypeScript is necessary to understand the topics covered in this book more effectively.

Learn WebAssembly Apress
This Angular book will help you learn the essential features of the Angular framework by creating ten different real-world web applications. By the end of this book, you will be able to build Angular apps using a wide variety of technologies.

<u>Build Enterprise-ready, Modular Web Applications Using TypeScript 4 and Modern Frameworks</u> Angular 6 for Enterprise-Ready Web ApplicationsDeliver production-ready and cloud-scale Angular web apps
Revised and updated second edition of the bestselling hands-on guide to building enterprise-ready web apps using an evergreen Angular platform Key Features Updated examples, projects, and a new overview of tools – including NgRX and Ivy, automated testing, and Firebase authentication New chapter summarizing history of web frameworks and Angular version updates All-new RESTful API implementation leveraging the MEAN stack with MongoDB, Express.js, Angular and Node.js Book Description This second edition of Angular for Enterprise-Ready Web Applications is updated with in-depth coverage of the evergreen Angular platform. You'll start by mastering Angular programming fundamentals. Using the Kanban method and GitHub tools, you'll build great-looking apps with Angular Material and also leverage reactive programming patterns with RxJS, discover the flux pattern with NgRx, become familiar with automated testing, utilize continuous integration using CircleCI, and deploy your app to the cloud using Vercel Now and GCloud. You will then learn how to design and develop line-of-business apps using router-first architecture with observable data anchors, demonstrated through oft-used recipes like master/detail views, and data tables with pagination and forms. Next, you'll discover robust authentication and authorization design demonstrated via integration with Firebase, API documentation using Swagger, and API implementation using the MEAN stack. Finally, you will learn about DevOps using Docker, build a highly available cloud infrastructure on AWS, capture user behavior with Google Analytics, and perform load testing. By the end of the book, you'll be familiar with the entire gamut of modern web development and full-stack architecture, learning patterns and practices to be successful as an individual developer on the web or as a team in the enterprise. What you will learn Adopt a minimalist, value-first approach to delivering web apps Master Angular development fundamentals, RxJS, CLI tools, GitHub, and Docker Discover the flux pattern and NgRx Implement a RESTful APIs using Node.js, Express.js, and MongoDB Create secure and efficient web apps for any cloud provider or your own servers Deploy your app on highly available cloud infrastructure using DevOps, CircleCI, and AWS Who this book is for This book is for developers who want to confidently deliver high-quality and production-grade Angular apps from design to deployment. Developers that have prior experience in writing a RESTful APIs will also benefit, as well as developers who will gain greater awareness of how they fit into the larger picture of delivering a web application. Prior experience with RESTful APIs is desired.

Angular Router Packt Publishing Ltd
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.

The Complete Guide to Angular Currency

In the first definitive guide on WebAssembly, you'll learn how you can wield this new technology to break through the current barriers of web development and build an entirely new class of performant applications . Key Features Generate WebAssembly modules from C and C++ using Emscripten and interact with these modules in the browser Learn how to use WebAssembly outside of the browser and load modules using Node.js Build a high-performance application using C and WebAssembly and port an existing C++ game to WebAssembly using Emscripten Book Description WebAssembly is a brand-new technology that represents a paradigm shift in web development. This book aims to teaches programmers how to leverage this technology to write high-performance applications that run in the browser. This book will introduces you to the powerful WebAssembly concepts of WebAssembly that willto help you write lean and powerful web applications with native performance. You will start with the evolution of web programming, the state of things today, and what can be done with the advent and release of WebAssembly. We take a look at the journey from JavaScript to asm.js to WebAssembly. We then move on to analyzinge the anatomy of a WebAssembly module and the relationship between the binary and text formats, along with the corresponding JavaScript API. Further on, weyou'll implement all the techniques you've learned by to building a high-performance application using C and WebAssembly, and then port an existing game written in C++ to WebAssembly using Emscripten. By the end of this book, you would will be well-equipped to create high-performance applications and games for the web using WebAssembly. What you will learn Learn how WebAssembly came to be and its associated elements (text format, module, and JavaScript API) Create, load, and debug a WebAssembly module (editor and compiler/toolchain) Build a high-performance application using C and WebAssembly Extend WebAssembly's feature set using Emscripten by porting a game written in C++ Explore upcoming features of WebAssembly, Node.js integration, and alternative compilation methods Who this book is for If you are a web developer or C/C++ programmer keen to leverage the powerful technology of WebAssembly to build high-performance web applications, then this book is for you.