
Typescript For Javascript Programmers

Eventually, you will extremely discover a other experience and ability by spending more cash. nevertheless when? get you say you will that you require to acquire those all needs with having significantly cash? Why dont you attempt to acquire something basic in the beginning? Thats something that will lead you to comprehend even more on the subject of the globe, experience, some places, considering history, amusement, and a lot more?

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DWAYNE

**Hands-On TypeScript
for C# and .NET Core**

Developers Apress
Exploit the features of
TypeScript to develop and
maintain captivating web
applications with ease

About This Book Learn how to develop modular, scalable, maintainable, and adaptable web applications by taking advantage of TypeScript Create object-oriented JavaScript that adheres to the solid principles efficiently A comprehensive guide that explains the fundamentals of TypeScript with the help of practical examples Who This Book Is For If you are a JavaScript developer aiming to learn TypeScript to build beautiful web applications, then this

book is for you. No prior knowledge of TypeScript is required. What You Will Learn Learn the key TypeScript language features and language runtime Develop modular, scalable, maintainable, and adaptable web applications Create object-oriented code that adheres to the solid principles Save time using automation tools like Gulp and Karma Develop robust applications with testing (Mocha, Chai and SinonJS) Put your TypeScript skills in practice by developing a

single-page web application framework from scratch Use the JavaScript of tomorrow (ES6 and ES7) today with TypeScript In Detail TypeScript is an open source and cross-platform typed superset of JavaScript that compiles to plain JavaScript that runs in any browser or any host. It allows developers to use the future versions of JavaScript (ECMAScript 6 and 7) today. TypeScript adds optional static types, classes, and modules to JavaScript, to enable great

tooling and better structuring of large JavaScript applications. This book is a step-by-step guide that will get you started with TypeScript with the help of practical examples. You start off by understanding the basics of TypeScript. Next, automation tools like Grunt are explained followed by a detailed description of function, generics, callbacks and promises. After this, object-oriented features and the memory management functionality of TypeScript are

explained. At the end of this book, you will have learned enough to implement all the concepts and build a single page application from scratch. Style and approach This is a step-by-step guide that covers the fundamentals of TypeScript with practical examples. Each chapter introduces a set of TypeScript language features and leads the readers toward the development of a real-world application.

Programming TypeScript Simon and

Schuster
Type-related failures are common and can be very costly. Famously, in 1999, NASA's Mars Climate Orbiter burned up in the atmosphere because of an error that could have easily been prevented with typing. By taking advantage of the strong type systems available in most modern programming languages, you can eliminate whole classes of errors. Programming with Types teaches you type system techniques for writing software that's safe,

correct, easy to test and maintain, and that practically documents itself. Master these techniques, and you may even help prevent an interstellar catastrophe! Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications.

TypeScript for Beginners
No Starch Press
Summary TypeScript is JavaScript with an important upgrade! By adding a strong type system to JavaScript, TypeScript can help you

eliminate entire categories of runtime errors. In TypeScript Quickly, you'll learn to build rock-solid apps through practical examples and hands-on projects under the expert instruction of experienced web developers Yakov Fain and Anton Moiseev. Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications. About the technology Strong typing can eliminate nearly all errors caused by unanticipated data values.

With TypeScript, an enhanced version of JavaScript, you can specify types and type annotations so your code is easier to read and far less likely to fail at runtime. And because the core of TypeScript is standard JavaScript, it runs on all major browsers and can be used with frameworks like Angular, Vue, and React. About the book TypeScript Quickly teaches you to exploit the benefits of types in browser-based and standalone applications. In this practical guide,

you'll build a fascinating blockchain service app that takes you through a range of type-sensitive programming techniques. As you go, you'll also pick up valuable techniques for object-oriented programming with classes, interfaces, and advanced features such as decorators and conditional types. What's inside Mastering TypeScript syntax Using TypeScript with JavaScript libraries Tooling with Babel and Webpack Developing TypeScript apps using Angular,

React, and Vue About the reader For web developers comfortable with JavaScript and HTML. About the author Yakov Fain and Anton Moiseev are experienced web developers. They have authored two editions of Manning's Angular Development with TypeScript. Table of Contents: PART 1 MASTERING THE TYPESCRIPT SYNTAX 1 | Getting familiar with TypeScript 2 | Basic and custom types 3 | Object-oriented programming with classes and

interfaces 4 | Using enums and generics 5 | Decorators and advanced types 6 | Tooling 7 | Using TypeScript and JavaScript in the same project PART 2 APPLYING TYPESCRIPT IN A BLOCKCHAIN APP 8 | Developing your own blockchain app 9 | Developing a browser-based blockchain node 10 | Client-server communications using Node.js, TypeScript, and WebSockets 11 | Developing Angular apps with TypeScript 12 | Developing the blockchain client in Angular 13 |

Developing React.js apps with TypeScript 14 ;
 Developing a blockchain client in React.js 15 ;
 Developing Vue.js apps with TypeScript 16 ;
 Developing the blockchain client in Vue.js

Angular Development with TypeScript Packt Publishing Ltd

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
Effective TypeScript
Apress
Explore the features of this innovative open source language in depth, from working with the type system through object-orientation to understanding the runtime and the TypeScript compiler. This fully revised and updated second edition of Steve Fenton's popular book covers everything you need to discover this fascinating language and transform your experience

of JavaScript development. What's New in This Edition Coverage of major changes to modules, namespaces, and module loading New guidance on how to use inference to reduce the effort of using TypeScript Recommendations on compiler options A wide range of feature updates from intersections and tuples to async/await and the new approach to mixins What You'll Learn Understand the TypeScript type system, and how to use it effectively Apply object-

oriented design using TypeScript Use modules effectively to manage large programs Integrate existing frameworks and libraries into your TypeScript program Who This Book Is For Web developers looking for a modern approach to JavaScript development
Pro TypeScript Packt Publishing Ltd
Any programmer working with a dynamically typed language will tell you how hard it is to scale to more lines of code and more engineers. That's why Facebook, Google, and

Microsoft invented gradual static type layers for their dynamically typed JavaScript and Python code. This practical book shows you how one such type layer, TypeScript, is unique among them: it makes programming fun with its powerful static type system. If you're a programmer with intermediate JavaScript experience, author Boris Cherny will teach you how to master the TypeScript language. You'll understand how TypeScript can help you

eliminate bugs in your code and enable you to scale your code across more engineers than you could before. In this book, you'll: Start with the basics: Learn about TypeScript's different types and type operators, including what they're for and how they're used Explore advanced topics: Understand TypeScript's sophisticated type system, including how to safely handle errors and build asynchronous programs Dive in hands-on: Use TypeScript with your favorite frontend and

backend frameworks, migrate your existing JavaScript project to TypeScript, and run your TypeScript application in production "O'Reilly Media, Inc." TypeScript for Programmers TypeScript lets you write JavaScript the way you really want to. TypeScript is a typed superset of JavaScript that compiles to plain JavaScript. TypeScript is pure object oriented with classes, interfaces and statically typed like C# or Java. The popular JavaScript framework

Angular is written in TypeScript. Mastering TypeScript can help programmers to write object-oriented programs and have them compiled to JavaScript, both on server side and client side. This is a book for programmers of all walks: professional JavaScript engineers, C# people, Java sympathizers, Python lovers, Ruby aficionados, Haskell nerds. Whatever language(s) you write in, so long as you have some experience programming and know the basics of functions, variables,

classes, and errors, this book is for you. Some experience with JavaScript, including a basic knowledge of the Document Object Model (DOM) and the network, will help you along the way while we don't dive deep into these concepts, they are a wellspring of excellent examples, and if you're not familiar with them the examples might not make as much sense. Regardless of what programming languages you've used in the past, what unites all of us is our shared experience of

tracking down exceptions, tracing through code line by line to figure out what went wrong and how we can fix it. This is the experience that TypeScript helps prevent by examining your code automatically and pointing out the mistakes you may have missed. It's OK if you haven't worked with a statically typed language before. I'll teach you about types and how to use them effectively to make your programs crash less, document your code better, and scale your applications across

more users, engineers, and servers. I'll try to avoid big words when I can, and explain ideas in a way that's intuitive, memorable, and practical, using lots of examples along the way to help keep things concrete. That's the thing about TypeScript: unlike a lot of other typed languages, TypeScript is intensely practical. It invents completely new concepts so you can speak more concisely and precisely, letting you write applications in a way that's fun, modern, and

safe. What you will learn in this book: - introduction to Typescript - Environment setup - Program structure - Basic syntax - Data types - Variables - operators - Decision making - Loops - Arrays - Much, much, more!

[A Modern Introduction to Programming](#) CRC Press
Leverage the features of TypeScript to boost your development skills and create captivating applications
About This Book
Learn how to develop modular, scalable, maintainable,

and adaptable web applications by taking advantage of TypeScript
Explore techniques to use TypeScript alongside other leading tools such as Angular 2, React, and Node.js
Focusing on design patterns in TypeScript, this step-by-step guide demonstrates all the important design patterns in practice
Who This Book Is For
This Learning Path is for intermediate-level JavaScript developers who want to use TypeScript to build beautiful web applications and fun

projects. No prior knowledge of TypeScript is required, but a basic understanding of jQuery is expected. This Learning Path is also for experienced TypeScript developers who want to take their skills to the next level, and also for web developers who wish to make the most of TypeScript. What You Will Learn Understand the key TypeScript language features and runtime Install and configure the necessary tools in order to start developing an application Create object-

oriented code that adheres to the SOLID principles Develop robust applications with testing (Mocha, Chai, and SinonJS) Apply GoF patterns in an application with a testing approach Identify the challenges when developing an application Migrate JavaScript codebases to TypeScript to improve your workflow Utilize SystemJS and Webpack to load scripts and their dependencies Develop high performance server-side applications to run within Node.js In Detail

TypeScript is an open source and cross-platform typed superset of JavaScript that compiles to plain JavaScript that runs in any browser or any host. TypeScript adds optional static types, classes, and modules to JavaScript, to enable great tooling and better structuring of large JavaScript applications. Through this three-module learning path, you'll learn the ins-and-outs of TypeScript for building more robust software. The first module gets you started with

TypeScript and helps you understand the basics of TypeScript and automation tools. Get a detailed description of function, generics, callbacks, and promises, and discover the object-oriented features and memory management functionality of TypeScript. The next module starts by explaining the current challenges when designing and developing an application and how you can solve these challenges by applying the correct design pattern

and best practices. You will be introduced to low-level programming concepts to help you write TypeScript code, as well as working with software architecture, best practices, and design aspects. The final module will help you build a complete single page app with Angular 2, create a neat mobile app using NativeScript, and even build a Pac Man game with TypeScript. As if the fun wasn't enough, you'll also find out how to migrate your legacy codebase from JavaScript

to TypeScript. By the end of this Learning Path, you will be able to take your skills up a notch and develop full-fledged web applications using the latest features of the TypeScript. 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: Learning TypeScript by Remo H. Jansen TypeScript Design Patterns by Vilic Vane TypeScript Blueprints by Ivo Gabe de Wolff Style

and approach This is a step-by-step, practical guide covering the fundamentals of TypeScript with practical examples. The end-to-end projects included in this book will give you ready-to-implement solutions for your business scenario, showcasing the depth and robustness of TypeScript. *TypeScript: Modern JavaScript Development* Packt Publishing Ltd Functional programming is a very powerful programming paradigm that can help us to write better code. This book

presents essential functional and reactive programming concepts in a simplified manner using Typescript.

Node.js Web

Development PE Press 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!

JavaScript for Impatient Programmers O'Reilly Media

Gain in-depth knowledge of TypeScript and the latest ECMAScript standards by building robust web applications across different domains

Key Features Apply the cutting-edge features of TypeScript 3.0 to build high-performance, maintainable applications Learn through practical examples of using TypeScript with popular frameworks, such as Angular and React Focus on building high-quality applications that are modular, scalable and adaptable Book Description With the demand for ever more complex websites, the need to write robust, standard-compliant JavaScript has never been

greater. TypeScript is modern JavaScript with the support of a first-class type system, which makes it simpler to write complex web systems. With this book, you'll explore core concepts and learn by building a series of websites and TypeScript apps. You'll start with an introduction to TypeScript features that are often overlooked in other books, before moving on to creating a simple markdown parser. You'll then explore React and get up to speed with creating a client-side

contacts manager. Next, the book will help you discover the Angular framework and use the MEAN stack to create a photo gallery. Later sections will assist you in creating a GraphQL Angular Todo app and then writing a Socket.IO chatroom. The book will also lead you through developing your final Angular project which is a mapping app. As you progress, you'll gain insights into React with Docker and microservices. You'll even focus on how to build an image

classification program with machine learning using TensorFlow. Finally, you'll learn to combine TypeScript and C# to create an ASP.NET Core-based music library app. By the end of this book, you'll be able to confidently use TypeScript 3.0 and different JavaScript frameworks to build high-quality apps. What you will learn Discover how to use TypeScript to write code using common patterns Get to grips with using popular frameworks and libraries with TypeScript

Leverage the power of both server and client using TypeScript Learn how to apply exciting new paradigms such as GraphQL and TensorFlow Use popular cloud-based authenticated services Combine TypeScript with C# to create ASP.NET Core applications Who this book is for This book is for programmers and web developers who are familiar with TypeScript and want to put their knowledge to work by building real-world complex applications. Prior experience with any

other web framework is not required.
Build enterprise-ready, modular web applications using TypeScript 4 and modern frameworks, 4th Edition Packt Publishing Ltd
 Create real-time server-side applications with this practical, step-by-step guide About This Book Learn about server-side JavaScript with Node.js and Node modules through the most up-to-date book on Node.js web development Understand website development both with and without the

Connect/Express web application framework Develop both HTTP server and client applications Who This Book Is For This book is for anybody looking for an alternative to the "P" languages (Perl, PHP, and Python), or anyone looking for a new paradigm of server-side application development. You should have at least a rudimentary understanding of JavaScript and web application development. What You Will Learn Install and use Node.js for both development and

deployment Use the Express application framework Configure Bootstrap for mobile-first theming Use data storage engines such as MySQL, SQLITE3, and MongoDB Understand user authentication methods, including OAuth, with third-party services Deploy Node.js to live servers, including microservice development with Docker Perform unit testing with Mocha Perform functional testing of the web application with CasperJS In Detail Node.js is a server-side

JavaScript platform using an event driven, non-blocking I/O model allowing users to build fast and scalable data-intensive applications running in real time. Node.js Web Development shows JavaScript is not just for browser-side applications. It can be used for server-side web application development, real-time applications, microservices, and much more. This book gives you an excellent starting point, bringing you straight to the heart of developing web

applications with Node.js. You will progress from a rudimentary knowledge of JavaScript and server-side development to being able to create and maintain your own Node.js application. With this book you'll learn how to use the HTTP Server and Client objects, data storage with both SQL and MongoDB databases, real-time applications with Socket.IO, mobile-first theming with Bootstrap, microservice deployment with Docker, authenticating against third-party services using

OAuth, and much more. Style and Approach This book is a practical guide for anyone looking to develop striking and robust web applications using Node.js.

A JavaScript and jQuery Developer's Guide Packt

Publishing Ltd

Build powerful cross-platform desktop applications with web technologies such as Node, NW.js, Electron, and React About This Book Build different cross-platform HTML5 desktop applications right from planning, designing, and

deployment to enhancement, testing, and delivery Forget the pain of cross-platform compatibility and build efficient apps that can be easily deployed on different platforms. Build simple to advanced HTML5 desktop apps, by integrating them with other popular frameworks and libraries such as Electron, Node.js, Nw.js, React, Redux, and TypeScript Who This Book Is For This book has been written for developers interested in creating desktop applications with

HTML5. The first part requires essential web-master skills (HTML, CSS, and JavaScript). The second demands minimal experience with React. And finally for the third it would be helpful to have a basic knowledge of React, Redux, and TypeScript. What You Will Learn Plan, design, and develop different cross-platform desktop apps Application architecture with React and local state Application architecture with React and Redux store Code design with TypeScript interfaces and specialized

types CSS and component libraries such as Photonkit, Material UI, and React MDL HTML5 APIs such as desktop notifications, WebSockets, WebRTC, and others Desktop environment integration APIs of NW.js and Electron Package and distribute for NW.JS and Electron In Detail Building and maintaining cross-platform desktop applications with native languages isn't a trivial task. Since it's hard to simulate on a foreign platform, packaging and distribution can be quite

platform-specific and testing cross-platform apps is pretty complicated. In such scenarios, web technologies such as HTML5 and JavaScript can be your lifesaver. HTML5 desktop applications can be distributed across different platforms (Window, MacOS, and Linux) without any modifications to the code. The book starts with a walk-through on building a simple file explorer from scratch powered by NW.JS. So you will practice the most exciting features

of bleeding edge CSS and JavaScript. In addition you will learn to use the desktop environment integration API, source code protection, packaging, and auto-updating with NW.JS. As the second application you will build a chat-system example implemented with Electron and React. While developing the chat app, you will get Photonkit. Next, you will create a screen capturer with NW.JS, React, and Redux. Finally, you will examine an RSS-reader built with

TypeScript, React, Redux, and Electron. Generic UI components will be reused from the React MDL library. By the end of the book, you will have built four desktop apps. You will have covered everything from planning, designing, and development to the enhancement, testing, and delivery of these apps. Style and approach Filled with real world examples, this book teaches you to build cross-platform desktop apps right from scratch using a step-by-step

approach. [Understand and Build Decoupled Django Architectures for JavaScript Front-ends](#) 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. **Learning JavaScript Design Patterns** Packt Publishing Ltd Apply decoupling patterns, properly test a decoupled project, and integrate a Django API with React, and Vue.js. This book covers decoupled architectures in Django, with Django REST framework and GraphQL. With practical and simple examples, you'll see firsthand how, why, and when to decouple a Django project. Starting with an introduction to decoupled

architectures versus monoliths, with a strong focus on the modern JavaScript scene, you'll implement REST and GraphQL APIs with Django, add authentication to a decoupled project, and test the backend. You'll then review functional testing for JavaScript frontends with Cypress. You will also learn how to integrate GraphQL in a Django project, with a focus on the benefits and drawbacks of this new query language. By the end of this book, you will

be able to discern and apply all the different decoupling strategies to any Django project, regardless of its size. What You'll Learn Choose the right approach for decoupling a Django project Build REST APIs with Django and a Django REST framework Integrate Vue.js and GraphQL in a Django project Consume a Django REST API with Next.js Test decoupled Django projects Who This Book Is For Software developers with basic Django skills keen to learn decoupled architectures

with Django. JavaScript developers interested in learning full-stack development and decoupled architectures with Django. [Application-Scale JavaScript Development](#) O'Reilly Media For web developers and other programmers interested in using JavaScript, this bestselling book provides the most comprehensive JavaScript material on the market. The seventh edition represents a significant update, with new information for

ECMAScript 2020, and new chapters on language-specific features. JavaScript: The Definitive Guide is ideal for experienced programmers who want to learn the programming language of the web, and for current JavaScript programmers who want to master it.

Learning TypeScript

"O'Reilly Media, Inc."

JavaScript is the native language of the Internet. Originally created to make web pages more dynamic, it is now used for software projects of all kinds,

including scientific visualization and data services. However, most data scientists have little or no experience with JavaScript, and most introductions to the language are written for people who want to build shopping carts rather than share maps of coral reefs. This book will introduce you to JavaScript's power and idiosyncrasies and guide you through the key features of the language and its tools and libraries. The book places equal focus on client- and

server-side programming, and shows readers how to create interactive web content, build and test data services, and visualize data in the browser. Topics include: The core features of modern JavaScript
Creating templated web pages
Making those pages interactive using React
Data visualization using Vega-Lite
Using Data-Forge to wrangle tabular data
Building a data service with Express
Unit testing with Mocha
All of the material is covered by the Creative Commons

Attribution-Noncommercial 4.0 International license (CC-BY-NC-4.0) and is included in the book's companion website at <http://js4ds.org>. Maya Gans is a freelance data scientist and front-end developer by way of quantitative biology. Toby Hodges is a bioinformatician turned community coordinator who works at the European Molecular Biology Laboratory. Greg Wilson co-founded Software Carpentry, and is now part of the education team at

RStudio
Programming JavaScript Applications Packt Publishing Ltd
TypeScript has conquered the world of JavaScript: it's one of the world's fastest growing and most popular languages across developer surveys, widely used in consumer and business companies alike, and frequently credited for helping massive web applications scale. But what is TypeScript? How does it work, why does it work, and how can we use it? Learning TypeScript takes beginner to

intermediate JavaScript programmers from knowing nothing about "types" or a "type system" to full mastery of the fundamentals of TypeScript. It's more than a means to find bugs and typos--it's a useful system for declaring the way our JavaScript should work and helping us stick to it. You'll learn how TypeScript: interacts with JavaScript analyzes and understands code augments your existing development pattern helps you document your code works with IDEs to

provide refactoring tools
 assists local development
 in refactoring code helps
 you develop more quickly
 with fewer bugs

Enhance Your Web
 Development Skills Using
 Type-Safe JavaScript
 Programming

TypeScript Making Your
 JavaScript Applications
 Scale

Of late, TypeScript has
 risen in popularity owing
 to its ease of use and
 versatile compatibility. As
 such, more and more
 developers are looking to
 quickly and efficiently
 master TypeScript. If

you're looking for a
 detailed, yet easy to
 comprehend guide to
 TypeScript, your search
 ends here! The book is a
 detailed guide that will
 help learners get started
 with TypeScript
 programming in no time.
 It talks about the basics
 and then moves on to
 practical exercises to help
 readers quickly gain the
 required knowledge. The
 book is meant for both
 JavaScript developers and
 learners without a formal
 JS background.
 Furthermore, while a
 background in JavaScript

programming might be of
 help, the book requires no
 prior coding background
 and can be easily
 mastered even by
 beginners. What Will You
 Learn: Detailed focus on
 TypeScript programming
 Introduction to TypeScript
 concepts and paradigm
 Introduction to TS
 architecture and
 components OOP
 programming with TS
 Web development in
 TypeScript Who Is This
 Book for: Web developers
 looking to learn
 TypeScript; web
 development beginners;

JavaScript developers; and frontend developers. About the Author Sufyan bin Uzayr is a writer, coder, and entrepreneur with more than a decade of experience in the industry. He has authored several books in the past, pertaining to a diverse range of topics, ranging from History to Computers/IT. Sufyan is the Director of Parakozm, a multinational IT company specializing in EdTech solutions. He also runs Zeba Academy, an online learning and teaching vertical with a

focus on STEM fields. Sufyan specializes in a wide variety of technologies, such as JavaScript, Dart, WordPress, Drupal, Linux, and Python. He holds multiple degrees, including ones in Management, IT, Literature, and Political Science. Sufyan is a digital nomad, dividing his time between four countries. He has lived and taught in universities and educational institutions around the globe. Sufyan takes a keen interest in

technology, politics, literature, history, and sports, and in his spare time, he enjoys teaching coding and English to young students. Learn more at sufyanism.com
Learn TypeScript 3 by Building Web Applications
CRC Press
"Build enterprise-ready web applications using TypeScript and leading JavaScript frameworks
About This Book*Focus on building quality applications that are modular, scalable, maintainable, and adaptable.*Enhance your

TypeScript knowledge through practical scenarios with in-depth discussions on language features, third-party libraries, declaration files, and more*Work through pragmatic examples that show you how to use TypeScript with popular JavaScript frameworks including Backbone, Angular, Node.js, RequireJS, and MarionetteWho This Book Is ForWhether you are a JavaScript developer who wants to learn TypeScript or an experienced TypeScript developer who

wants to take your skills to the next level, this book is for you. If you are an enterprise JavaScript developer who builds web sites using Backbone, Marionette, Angular, Angular 2, Aurelia, or React.js, then this book will make you a better, more productive programmer.What You Will Learn*Gain an in-depth understanding of TypeScript's language features*Integrate any existing third-party JavaScript library into your project*Understand the level of integration that

third-party libraries can achieve using the TypeScript language*Employ test-driven development techniques to build high-quality applications*Organise your application's code using modules*Work with popular JavaScript libraries, including Node.js, Backbone, Marionette, Angular, ExtJS, Angular 2, Aurelia, and React.js*Master advanced object-oriented programming techniques, including service location and dependency

injection*Grasp techniques to build complete single page web applications with TypeScriptIn DetailTypescript is a language and a compiler that brings JavaScript development up to the enterprise level. By adding a little "syntactic sugar" to the JavaScript language, TypeScript enables developers to use strong typing, classes, interfaces, inheritance, generics, and more when writing JavaScript code.This book will bring you up to date with the

new language features of TypeScript. It covers the future language features of JavaScript, as defined by the ES5, ES6, and ES7 standards that are now available through TypeScript, and shows you how the compiler takes care of generating ES3 compatible JavaScript code-even when using these new language features.Packed with practical, example-oriented scenarios, the book will give you a deeper understanding of working with classes, interfaces, and generics,

along with advanced language features such as Decorators, and async/await techniques. It will show you how TypeScript works with popular and in demand frameworks such as Angular 2, Aurelia, and React.js and how to integrate third-party libraries into your applications.We'll add to your repertoire of skills with test-driven development. We will then move on to understanding of modularisation with Node.js and AMD module

loaders. The book will end by teaching you how to build industrial-strength applications."