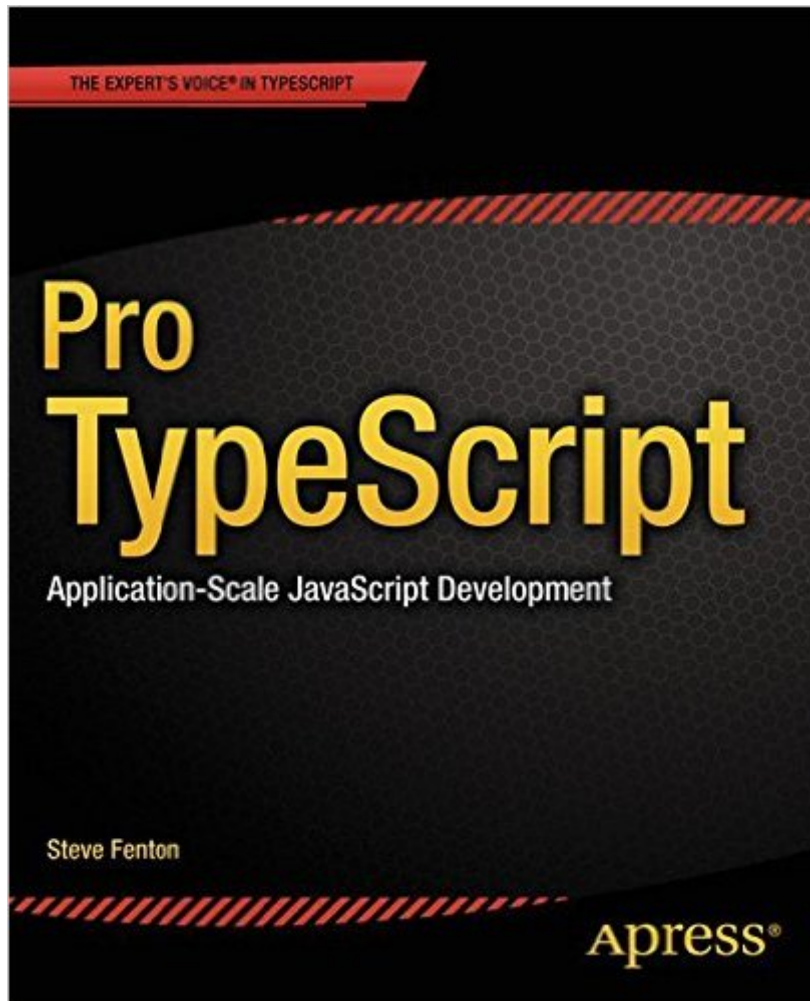# Pro TypeScript: Application-Scale JavaScript Development

Synopsis

JavaScript is everywhere, both as a pure language and in popular libraries like Angular, jQuery and Knockout, but users of modern object-oriented languages like Java and C# often find JavaScript frustrating to use and hard to extend to large-scale applications. TypeScript is an innovative open source language from Microsoft that combines powerful language features and enhanced tooling support with the key attractions of JavaScript as a flexible, dynamic language that can run in any browser and on any operating system. Pro TypeScript tells you everything you need to know about this exciting new language and how to use it in your applications.Starting with an introduction to the language and its features, the book takes you through some of the major features of TypeScript in depth, from working with the type system through object-orientation to understanding the runtime and the TypeScript compiler. The book then covers some of the factors you need to consider when running a TypeScript application in the browser, including interacting with the DOM, making asynchronous requests, and working with useful browser APIs, followed by a demonstration of server-side TypeScript using the popular Node.js framework.Because TypeScript compiles to plain JavaScript, exception handling, memory management and garbage collection can differ depending on where you run your program, so these topics get a chapter to themselves. Youâ ™ll also find out how to include popular JavaScript frameworks in your applications, so you can combine the benefits of TypeScript with some of the best JavaScript code thatâ ™s already out there waiting to be used. The final chapter gives an overview of automated testing for TypeScript applications.Pro TypeScript offers a balanced and practical guide to a language that will transform your experience of JavaScript development.

Book Information

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Customer Reviews

This is a GREAT book... I am a looong time JS and AS3 developer.. so it was easy for me to pickup... never the less, the Autother goes beyon typescript, he explains basic design patterns and lots of tips on how to properly use Typescript.Now that Angular 2.0 was announced to be powered by Typescript (instead of ATScript), I think this book will get lots of traction.It is a good solid book for a sound understanding of Typescript and along the way you will pick general JS tips such as variable hosting getting overridden from global etc..this is one is a keeper...Sean (http://JavaScriptNinja.io)

I have read way more programming books than I can remember. This is one of the best!!It may seem a little heady at first (ch2) , but it is on the money and very practical if you are going toget to a professional level (no pun intended) with TypeScript. The writer is very clear, very articulate andthorough (nothing left out) without making you feel like you are soaking up stuff you can't use.

Really feels like I got my money's worth. The author get straight to the point without leaving you feeling like he's leaving anything out. Easy to follow along - truly a great read.

Good Stuff!

Excellent introduction to TypeScript.

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