

Learning Web Programming with TypeScript 2.0 and Angular 2.0

By Bill Wagner



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TypeScript is a powerful, modern superset of JavaScript that is fully compatible with JavaScript and allows developers to build far more robust, efficient, and reliable large-scale software systems. Created within Microsoft, this open source language is now being used at Google, Facebook, and many other organizations requiring superior levels of web application reliability and performance. Using TypeScript, developers can access state-of-the-art features for creating robust code that compiles to pure JavaScript for use with virtually any browser, host, OS, platform, or device. In Learning Web Programming with TypeScript, pioneering software engineering instructor Bill Wagner offers a practical overview of the TypeScript language and TypeScript programming style, explaining why TypeScript can be a more effective solution for many projects that would otherwise demand JavaScript. Next, he helps developers quickly achieve practical proficiency, via a series of expertly-crafted guided labs, code samples, and exercises.

One step at a time, Wagner helps developers gain deeper understanding and confidence with the TypeScript type system, basic types, structural and contextual typing, overloading, generics, modules, primitive and object types, enums, classes, interfaces, Lambdas, functions, inheritance, namespaces, organization, and more. You'll learn how to interact with JavaScript libraries, migrate from or coexist with JavaScript, and make the most of your current JavaScript investments. Wagner concludes by discussing TypeScript as an open source project, and explaining how developers can get involved.

Learning Web Programming with TypeScript will be valuable to a wide range of developers - especially those who currently use C# or other advanced languages, want comparable facilities and power in their web development projects, and have been frustrated by the traditional limitations of JavaScript.

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