



# Learning Web Development with Bootstrap and Angular - Second Edition

*Sergey Akopkokhyants, Stephen Radford*

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## Key Features

- Updated for the latest releases of Angular and Bootstrap, this book shows you how to build web applications with cutting-edge web technologies
- Combine the best of both worlds to build single page apps with elegant user interfaces
- Build, develop, and customize your application using Angular and Bootstrap
- Packed with tips to help you avoid potential stumbling blocks while developing

## Book Description

Two of the most popular frontend frameworks, Angular and Bootstrap, have undergone a major overhaul to embrace emerging web technologies so that developers can build cutting-edge web applications.

Inside this title you'll dive, fingers first, into the basics of both the tools, and once you're familiar with them, you'll move onto Bootstrap's new grid system and Angular's built-in directives. You'll then learn how to format output using Angular's pipes and how to make use of the built-in router to set up routes for all your components.

Webpack will be your buddy to wrap up your project. Then, after throwing in some SASS to make things pretty, you'll learn how to validate the forms you've built and debug your application. Finally, you'll go on to learn how to obtain smooth transitioning from Bootstrap to Angular and then how to hook up with a server and use Firebase as the persistence layer.

Once you're done with this book, you'll not only have a lovely little e-commerce application running, but you'll also take with you the confidence to innovate and build your own applications with ease.

## What you will learn

- Develop Angular 2 single page applications using an ecosystem of helper tools
- Get familiar with Bootstrap's new grid and helper classes
- Embrace TypeScript and ECMAScript 2015 to write more maintainable code
- Use custom directives for Bootstrap 4 with the ng2-bootstrap library
- Understand the component-oriented structure of Angular 2 and its router
- Make use of the built-in HTTP library to work with API endpoints
- Use observables and streams to manage the app's data and state
- Combine Angular 2 and Bootstrap 4 along with Firebase in the development of a solid example

## About the Author

**Sergey Akopkokhyants** is a software architect with more than 20 years of professional experience in designing and developing client and server-side applications. He is also a certified Java developer and

project manager. He has general knowledge of many tools, languages, and platforms.

For the last decade, Sergey has been responsible for customizing and producing web-oriented applications for wholesale business management solutions projects for several worldwide mobile communication companies. His responsibilities have included: architecture design and guidance of client software development using Flex, CSS, HTML, JavaScript, TypeScript, and Dart, and client-server integration with Java. He is also the founder and an active contributor to several open source projects on GitHub.

Sergey is passionate about web design and development and likes sharing his expertise with others, helping them to increase their skills and productivity. He is author of the book *Mastering Dart* and also he was one of reviewers of the books *Learning Dart* and *Dart Cookbook*.

**Stephen Radford** is a full-stack web and app developer based in the heart of England--Leicester. Originally from Bristol, Stephen moved to Leicester after studying Graphic Design at college to accept a job at one of the UK's largest online marketing companies.

Whilst working at a number of agencies, Stephen developed several side projects, including FTPloy, a SaaS designed to make continuous deployment available to everyone. The project was subsequently a finalist in the .NET Awards Side Project of the Year category.

He and his business partner now run Cocoon, a web development company that builds and maintains web and mobile apps. Cocoon also works closely with a handful of startups and businesses to develop ideas into websites and apps.

## Table of Contents

1. Saying Hello!
2. Working with Bootstrap Components
3. Advanced Bootstrap Components and Customization
4. Creating the Template
5. Routing
6. Dependency Injection
7. Working with Forms
8. Advanced Components
9. Communication and Data Persistence
10. Advanced Angular Techniques

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