

Practical Angular Signals

Levelling Up Your Web Development Skills with Signals, Patterns and Architectures

This succinct, advanced-level guide to Angular Signals is built around a real-life shopping cart application designed for experienced Angular developers who want to level up their skills and see how to implement Signals in complex, production-grade applications.

Through the creation of a shopping cart app, you will explore how to model application state with Signals, manage side effects, and integrate Signals into key Angular features such as HTTP APIs, routing, guards, directives, and more. The book begins with establishing the application structure for scalability and then moves on to modelling product and cart state with Signals. This is followed by a chapter on Effects, APIs, and Async Data with Signals. The book then moves on to discussing component communication and Routing, Guards and Auth. The penultimate chapter deals with performance, testing and debugging of the shopping cart application that you will have learnt how to create. The final chapter involves patterns for migrating from RxJS or NGRX to Signals.

The book is a must-have if you are seeking to move beyond tutorials and into real-life implementation of Signals in scalable commercial applications.

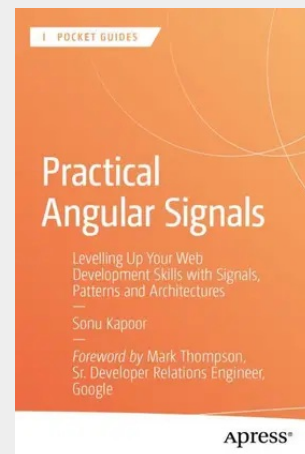
What You Will Learn

- Architect a Signals-first Angular application
- Apply Signals in routing, guards, directives, and UI communication patterns
- Migrate existing services or RxJS patterns to Signals
- Test and debug Signals-heavy applications confidently

Who This Book Is For

Experienced Angular developers, tech leads, and architects who want to learn how to integrate Signals into their applications for both new and existing projects.

Introduction.- Chapter 1 - Setting Up the Signals-First Shopping Cart App.- Chapter 2 - Modeling Product and Cart State with Signals.- Chapter 3 - Effects, APIs, and Async Data with Signals.- Chapter 4 - Component Communication with Signals.- Chapter 5 - Routing, Guards, and Auth with Signals.- Chapter 6 - Testing, Debugging, and Performance Tuning.- Chapter 7 - From RxJS to Signals - Migration and Interoperability.- Chapter 8 - Completing the Cart Experience with a Sidebar.- Chapter 9 - Final Words - Signals in Action.



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