High Performance Responsive Design: Building Faster Sites Across Devices

By Tom Barker

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Yes, you *can* use responsive web design to create high performance, compelling websites. With this practical book, author Tom Barker demonstrates that responsive design is not just a frontend-only approach, but also a philosophy for taking advantage of the entire web stack. Responsive design patterns and anti-patterns, derived from heavily used real-world sites, are guiding principles throughout the book.

Ideal for frontend-focused web developers, this book shows you how to incorporate responsiveness and performance into your project plan, use Node.js for device-specific functionality on the backend, and write automated tests for a continuous integration environment. You'll explore many useful tools and responsive frameworks, and gain useful insights from Barker's own experience with responsive design along the way.

- Get a primer on web performance concepts, web runtime performance, and performance tracking tools
- Write functionality with Node.js that serves up a device-specific experience to the client
- Explore client-side solutions, such as lazy loading entire sections of a page—including images, styling, and content
- Validate service level agreements (SLAs) by writing automated tests with PhantomJS
- Examine several responsive frameworks, including the author's server-side framework, Ripple

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Editorial Review

About the Author

Tom Barker is a software engineer, an engineering manager, a professor and an author. Currently he is Director of Software Engineering and Development at Comcast, and an Adjunct Professor at Philadelphia University.

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