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Building Web, Cloud, And Mobile Solutions With F#

Create Scalable Apps with ASP.NET MVC 4,
Azure, Web Sockets, and More

Building

Web, Cloud & Mobile Solutions with F#

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Daniel Mohl
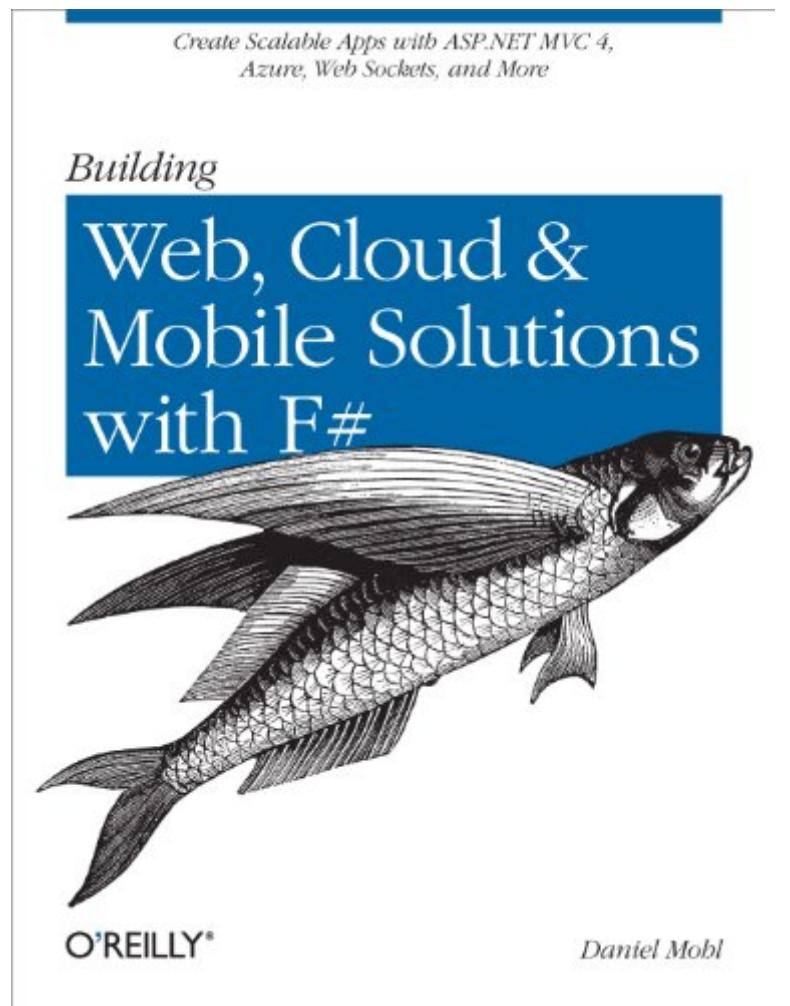
Synopsis

Learn how to build key aspects of web, cloud, and mobile solutions by combining F# with various .NET and open source technologies. With helpful examples, this hands-on book shows you how to tackle concurrency, asynchrony, and other server-side challenges. Youâ ™ll quickly learn how to be productive with F#, whether you want to integrate the language into your existing web application or use it to create the next Twitter.If youâ ™re a mid- to senior-level .NET programmer, youâ ™ll discover how this expressive functional-first language helps you write robust, maintainable, and reusable solutions that scale easily and target multiple devices.Use F# with ASP.NET MVC, ASP.NET Web API, WCF, Windows Azure, HTML5, CSS3, jQuery Mobile, and other toolsBuild next-generation ASP.NET MVC 4 web applications, using F# to do the heavy lifting on the serverCreate WCF SOAP and HTTP web servicesDevelop F# web applications and services that run on Windows AzureBuild scalable solutions that allow reuse by mobile and web front-endsUse F# with the WebSharper and Pit frameworks to build end-to-end web stacks

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Customer Reviews

The problem with many books is that they contain too many words. Not so with this one.The author, Daniel Mohl, does an excellent job in delivering just as much as you need to get a taste of what web development with F# could be like. Sure, it's not a reference book, but on the other hand it shines a light on the flourishing community around F#, and what it has produced, that a reference book probably wouldn't. [Here it would be easy to go astray and start talking about how great F# is, but that the community is even greater (Is there even such a thing as a C# community? Actually, "The domain csharp.org is for sale" - see for yourself!), but I'll try to refrain from that.] This could well serve as a book to get you introduced to the endless possibilities - at least if you're still living in the illusion that "F# is just for calculations and stuff".Chapter 1 - Building an ASP.NET MVC 4 Web Application with F#This is a ferociously paced chapter, covering concepts that are probably new to you if you come from a C# background. Discriminated unions, type providers, agents, pattern matching, the Option type, async and computation expressions are all covered in 36 pages! (Yes, I put async on the list, even though it exists in C# too, but the F# async model is slightly different.) Once again, this is not a reference book, but you'll get to know enough to get started, and even more important: wanting to get started.Chapter 2 - Creating Web Services with F#The beginning of this chapter shows how easy it can be to work with WCF in F#, and incidentally it's all done in code instead of configuration - just the way I like it (XML is evil!). We also get some some advice based on personal experience and some trivia on how Json.NET came to replace System.Json.

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