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Functional and Reactive Domain Modeling

Debasish Ghosh

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Summary

Functional and Reactive Domain Modeling teaches you how to think of the domain model in terms of pure functions and how to compose them to build larger abstractions.

Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications.

About the Technology

Traditional distributed applications won't cut it in the reactive world of microservices, fast data, and sensor networks. To capture their dynamic relationships and dependencies, these systems require a different approach to domain modeling. A domain model composed of pure functions is a more natural way of representing a process in a reactive system, and it maps directly onto technologies and patterns like Akka, CQRS, and event sourcing.

About the Book

Functional and Reactive Domain Modeling teaches you consistent, repeatable techniques for building domain models in reactive systems. This book reviews the relevant concepts of FP and reactive architectures and then methodically introduces this new approach to domain modeling. As you read, you'll learn where and how to apply it, even if your systems aren't purely reactive or functional. An expert blend of theory and practice, this book presents strong examples you'll return to again and again as you apply these principles to your own projects.

What's Inside

- Real-world libraries and frameworks
- Establish meaningful reliability guarantees
- Isolate domain logic from side effects
- Introduction to reactive design patterns

About the Reader

Readers should be comfortable with functional programming and traditional domain modeling. Examples use the Scala language.

About the Author

Software architect **Debasish Ghosh** was an early adopter of reactive design using Scala and Akka. He's the author of *DSLs in Action*, published by Manning in 2010.

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Lauren Robinson:

A lot of people always spent their particular free time to vacation as well as go to the outside with them family members or their friend. Were you aware? Many a lot of people spent that they free time just watching TV, or perhaps playing video games all day long. If you would like try to find a new activity this is look different you can read any book. It is really fun for you. If you enjoy the book that you just read you can spent all day every day to reading a guide. The book Functional and Reactive Domain Modeling it is rather good to read. There are a lot of people that recommended this book. These folks were enjoying reading this book. Should you did not have enough space to create this book you can buy typically the e-book. You can m0ore quickly to read this book from your smart phone. The price is not too expensive but this book features high quality.

Lauren Smith:

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