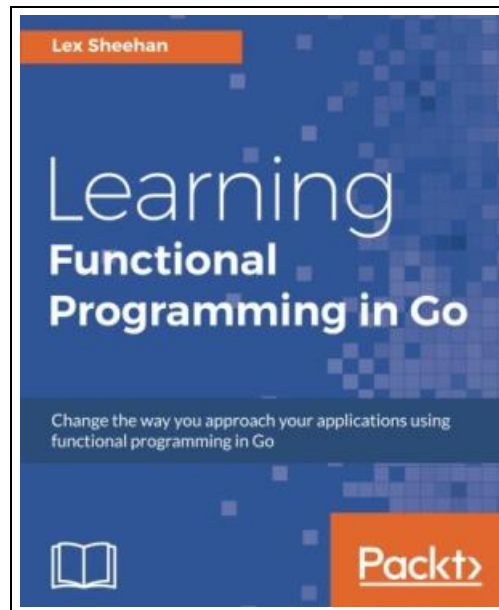


Learning Functional Programming in Go (Paperback)



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Reviews

This book is great. it absolutely was writtern quite properly and beneficial. Its been written in an extremely basic way and it is merely after i finished reading through this ebook in which basically changed me, affect the way i really believe.
(**Leopold Schmidt**)

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Function literals, Monads, Lazy evaluation, Currying, and more

About This Book

- * Write concise and maintainable code with streams and high-order functions
- * Understand the benefits of currying your Golang functions
- * Learn the most effective design patterns for functional programming and learn when to apply each of them
- * Build distributed MapReduce solutions using Go

Who This Book Is For

This book is for Golang developers comfortable with OOP and interested in learning how to apply the functional paradigm to create robust and testable apps. Prior programming experience with Go would be helpful, but not mandatory.

What You Will Learn

- * Learn how to compose reliable applications using high-order functions
- * Explore techniques to eliminate side-effects using FP techniques such as currying
- * Use first-class functions to implement pure functions
- * Understand how to implement a lambda expression in Go
- * Compose a working application using the decorator pattern
- * Create faster programs using lazy evaluation
- * Use Go concurrency constructs to compose a functionality pipeline
- * Understand category theory and what it has to do with FP

In Detail

Functional programming is a popular programming paradigm that is used to simplify many tasks and will help you write flexible and succinct code. It allows you to decompose your programs into smaller, highly reusable components, without applying conceptual restraints on how the software should be modularized. This book bridges the language gap for Golang developers by showing you how to create and consume functional constructs in Golang. The book is divided into four modules. The first module explains the functional style of programming; pure functional programming (FP), manipulating collections, and using high-order functions. In the second module, you will learn...

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