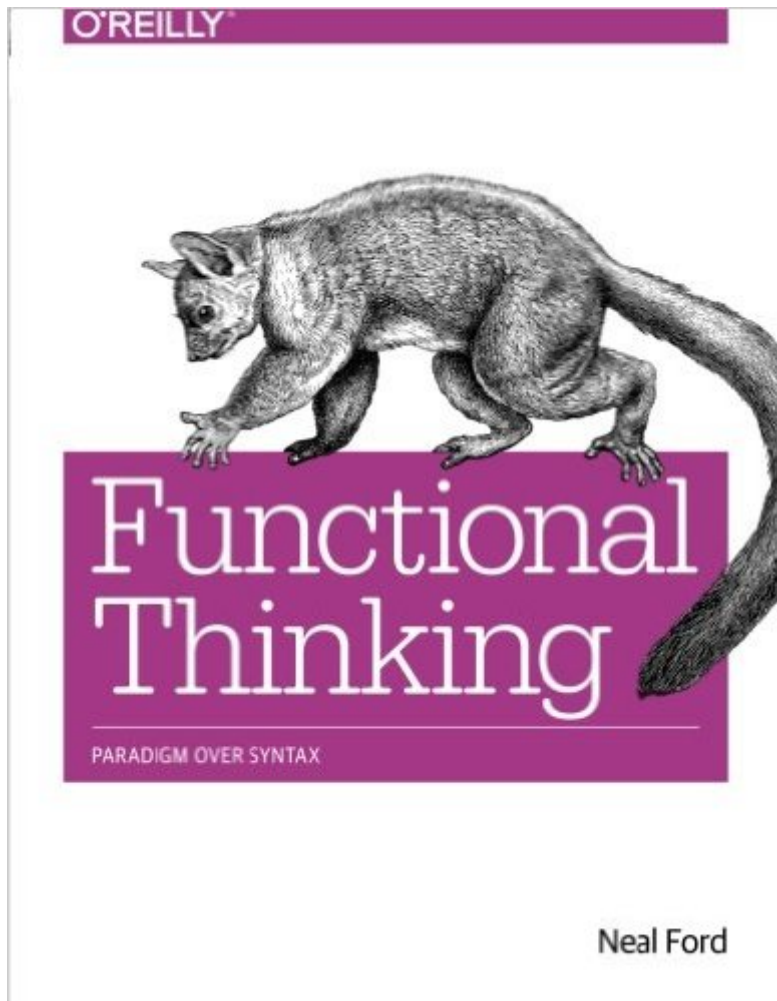


The book was found

Functional Thinking: Paradigm Over Syntax



Synopsis

If you're familiar with functional programming basics and want to gain a much deeper understanding, this in-depth guide takes you beyond syntax and demonstrates how you need to think in a new way. Software architect Neal Ford shows intermediate to advanced developers how functional coding allows you to step back a level of abstraction so you can see your programming problem with greater clarity. Each chapter shows you various examples of functional thinking, using numerous code examples from Java 8 and other JVM languages that include functional capabilities. This book may bend your mind, but you'll come away with a much better grasp of functional programming concepts. Understand why many imperative languages are adding functional capabilities Compare functional and imperative solutions to common problems Examine ways to cede control of routine chores to the runtime Learn how memoization and laziness eliminate hand-crafted solutions Explore functional approaches to design patterns and code reuse View real-world examples of functional thinking with Java 8, and in functional architectures and web frameworks Learn the pros and cons of living in a paradigmatically richer world If you're new to functional programming, check out Josh Backfield's book *Becoming Functional*.

Book Information

Paperback: 180 pages

Publisher: O'Reilly Media; 1 edition (July 20, 2014)

Language: English

ISBN-10: 1449365515

ISBN-13: 978-1449365516

Product Dimensions: 7 x 0.4 x 9 inches

Shipping Weight: 12 ounces (View shipping rates and policies)

Average Customer Review: 3.6 out of 5 stars Â Â See all reviews Â (10 customer reviews)

Best Sellers Rank: #415,848 in Books (See Top 100 in Books) #42 in Â Books > Computers & Technology > Programming > Functional #155 in Â Books > Textbooks > Computer Science > Object-Oriented Software Design #178 in Â Books > Computers & Technology > Programming > Languages & Tools > C#

Customer Reviews

I think this may be my first review, but I had to respond after seeing two very negative reviews about this book. First, I can understand that this book can be confusing, as it dives right in to functional programming (FP) without a primer or appendix to help beginners. (I strongly recommend

[defmacro - Functional Programming For The Rest of

Us](<http://www.defmacro.org/ramblings/fp.html>) for that purpose.) However, as an intermediate developer with an (apparently) above-average exposure to FP, I found this book to be extremely illuminating and incredibly useful for me to advance to the next level of FP understanding. Sidenote: One reviewer asserts that the author is confused and perhaps lacks knowledge. I don't know Neal Ford, but I am very familiar with the output of the company at which he works - ThoughtWorks. I can say for certain that anyone employed by them for years is certainly knowledgeable about software engineering, particularly when it comes to real-world usage. Why did I find the book so valuable?* As you can see from the [hosted code](https://github.com/oreillymedia/functional_thinking), Ford accompanies all of his code examples with unit tests, which I find essential for understanding and trust.* Most examples are done in Clojure (a LISP variant for the JVM), Groovy (a dynamic JVM language), **and** Java 8 (sometimes using the Functional Java library), as well as a number in Scala. I find that comparisons between languages improve my learning and retention, in addition to giving extra perspective.* Ford guides the reader through the mix of terminology for the essential FP functions and how they differ by language: map (when it is called 'collect' and why; a.k.

[Download to continue reading...](#)

Functional Thinking: Paradigm Over Syntax Positive Thinking: How to Eliminate Negative Thinking and Gain Success, Health and Happiness Through Positive Thinking and Self-empowering Affirmations (Positive Thinking Everyday Book 1) Brain Inflammation in Chronic Pain, Migraine and Fibromyalgia: The Paradigm-Shifting Guide for Doctors and Patients Dealing with Chronic Pain (Inflammation Mastery & Functional Inflammology) Functional Programming in JavaScript: How to improve your JavaScript programs using functional techniques Clinical Functional MRI: Presurgical Functional Neuroimaging (Medical Radiology) Wheater's Functional Histology: A Text and Colour Atlas (FUNCTIONAL HISTOLOGY (WHEATER'S)) C# Quick Syntax Reference The Fortran 2003 Handbook: The Complete Syntax, Features and Procedures A Web-Based Introduction to Programming: Essential Algorithms, Syntax, and Control Structures Using PHP, HTML, and MySQL, Third Edition Voice Lessons: Classroom Activities to Teach Diction, Detail, Imagery, Syntax, and Tone (Maupin House) The Polysynthesis Parameter (Oxford Studies in Comparative Syntax) Thinking in LINQ: Harnessing the Power of Functional Programming in .NET Applications Emotional Intelligence: Master Your Emotions- Raise Your EQ, Critical Thinking and Optimize Your Life (Emotional Intelligence, Critical thinking, EQ) Thinking About You Thinking About Me: Philosophy and strategies to further develop perspective taking and communicative abilities for persons with ... Autism, Hyperlexia, ADHD, PDD-NOS, NVLD Positive Thinking: How to Rewire

Your Brain with Positive Thinking and Self-Empowering Affirmations to Finally Achieve Success and Freedom Critical Thinking: Decision Making with Smarter Intuition and Logic! (Critical Thinking, Decision Making, Logic, Intuition) Thinking Through Systems Thinking Thinking German Translation (Thinking Translation) Thinking Spanish Translation: A Course in Translation Method: Spanish to English (Thinking Translation) The Nature of Theoretical Thinking in Nursing: Third Edition (Kim, The Nature of Theoretical Thinking in Nursing)

[Dmca](#)