# Seven Languages in Seven Weeks: A Pragmatic Guide to Learning Programming Languages (Pragmatic Programmers)

*By Bruce Tate*

**Seven Languages in Seven Weeks: A Pragmatic Guide to Learning Programming Languages (Pragmatic Programmers)** By Bruce Tate

You should learn a programming language every year, as recommended by *The Pragmatic Programmer*. But if one per year is good, how about *Seven Languages in Seven Weeks*? In this book you'll get a hands-on tour of Clojure, Haskell, Io, Prolog, Scala, Erlang, and Ruby. Whether or not your favorite language is on that list, you'll broaden your perspective of programming by examining these languages side-by-side. You'll learn something new from each, and best of all, you'll learn how to learn a language quickly.

Ruby, Io, Prolog, Scala, Erlang, Clojure, Haskell. With *Seven Languages in Seven Weeks,* by Bruce A. Tate, you'll go beyond the syntax-and beyond the 20-minute tutorial you'll find someplace online. This book has an audacious goal: to present a meaningful exploration of seven languages within a single book. Rather than serve as a complete reference or installation guide, *Seven Languages* hits what's essential and unique about each language. Moreover, this approach will help teach you how to grok new languages.

For each language, you'll solve a nontrivial problem, using techniques that show off the language's most important features. As the book proceeds, you'll discover the strengths and weaknesses of the languages, while dissecting the process of learning languages quickly--for example, finding the typing and programming models, decision structures, and how you interact with them.

Among this group of seven, you'll explore the most critical programming models of our time. Learn the dynamic typing that makes Ruby, Python, and Perl so flexible and compelling. Understand the underlying prototype system that's at the heart of JavaScript. See how pattern matching in Prolog shaped the development of Scala and Erlang. Discover how pure functional programming in Haskell is different from the Lisp family of languages, including Clojure.

Explore the concurrency techniques that are quickly becoming the backbone of a new generation of Internet applications. Find out how to use Erlang's let-it-crash

philosophy for building fault-tolerant systems. Understand the actor model that drives concurrency design in Io and Scala. Learn how Clojure uses versioning to solve some of the most difficult concurrency problems.

It's all here, all in one place. Use the concepts from one language to find creative solutions in another-or discover a language that may become one of your favorites.

# Seven Languages in Seven Weeks: A Pragmatic Guide to Learning Programming Languages (Pragmatic Programmers)

*By Bruce Tate*

**Seven Languages in Seven Weeks: A Pragmatic Guide to Learning Programming Languages (Pragmatic Programmers)** By Bruce Tate

You should learn a programming language every year, as recommended by *The Pragmatic Programmer*. But if one per year is good, how about *Seven Languages in Seven Weeks*? In this book you'll get a hands-on tour of Clojure, Haskell, Io, Prolog, Scala, Erlang, and Ruby. Whether or not your favorite language is on that list, you'll broaden your perspective of programming by examining these languages side-by-side. You'll learn something new from each, and best of all, you'll learn how to learn a language quickly.

Ruby, Io, Prolog, Scala, Erlang, Clojure, Haskell. With *Seven Languages in Seven Weeks,* by Bruce A. Tate, you'll go beyond the syntax-and beyond the 20-minute tutorial you'll find someplace online. This book has an audacious goal: to present a meaningful exploration of seven languages within a single book. Rather than serve as a complete reference or installation guide, *Seven Languages* hits what's essential and unique about each language. Moreover, this approach will help teach you how to grok new languages.

For each language, you'll solve a nontrivial problem, using techniques that show off the language's most important features. As the book proceeds, you'll discover the strengths and weaknesses of the languages, while dissecting the process of learning languages quickly--for example, finding the typing and programming models, decision structures, and how you interact with them.

Among this group of seven, you'll explore the most critical programming models of our time. Learn the dynamic typing that makes Ruby, Python, and Perl so flexible and compelling. Understand the underlying prototype system that's at the heart of JavaScript. See how pattern matching in Prolog shaped the development of Scala and Erlang. Discover how pure functional programming in Haskell is different from the Lisp family of languages, including Clojure.

Explore the concurrency techniques that are quickly becoming the backbone of a new generation of Internet applications. Find out how to use Erlang's let-it-crash philosophy for building fault-tolerant systems. Understand the actor model that drives concurrency design in Io and Scala. Learn how Clojure uses versioning to solve some of the most difficult concurrency problems.

It's all here, all in one place. Use the concepts from one language to find creative solutions in another-or discover a language that may become one of your favorites.

**Seven Languages in Seven Weeks: A Pragmatic Guide to Learning Programming Languages (Pragmatic Programmers) By Bruce Tate Bibliography**

- Sales Rank: #185336 in Books
- Brand: Brand: Pragmatic Bookshelf

- Published on: 2010-11-20
- Original language: English
- Number of items: 1
- Dimensions: 9.25" h x 1.20" w x 7.50" l, 1.49 pounds
- Binding: Paperback
- 330 pages

**Download and Read Free Online Seven Languages in Seven Weeks: A Pragmatic Guide to Learning Programming Languages (Pragmatic Programmers) By Bruce Tate**

## Editorial Review

Review

*"I have been programming for 25 years in a variety of hardware and software languages. After reading Seven Languages in Seven Weeks, I am starting to understand how to evaluate languages for their objective strengths and weaknesses. More importantly, I feel as if I could pick one of them to actually get some work done."*

—Chris Kappler, Senior scientist Raytheon, BBN Technologies

*"I spent most of my time as a computer sciences student saying I didn't want to be a software developer and then became one anyway. Seven Languages in Seven Weeks expanded my way of thinking about problems and reminded me what I love about programming."*

—Travis Kaspar, Software engineer, Northrop Grumman

*"Do you want seven kick starts into learning your "language of the year"? Do you want your thinking challenged about programming in general? Look no further than this book. I personally was taken back in time to my undergraduate computer science days, coasting through my programming languages survey course. The difference is that Bruce won't let you coast through this course! This isn't a leisurely read—you'll have to work this book. I believe you'll find it both mindblowing and intensely practical at the same time."*

—Matt Stine Group leader, Research Application Development, St. Jude Children's Research Hospital

About the Author

Bruce Tate runs RapidRed, an Austin, TX-based practice that consults on lightweight development in Ruby. Previously he worked at IBM in roles ranging from a database systems programmer to Java consultant. He left IBM to work for several startups in roles ranging from Client Solutions Director to CTO. He speaks internationally and is the author of more than ten books, including From Java to Ruby, Deploying Rails Applications, the best-selling Bitter series, Beyond Java, and the Jolt-winning Better, Faster, Lighter Java.

## Users Review

**From reader reviews:**

**Sharon Self:**

Nowadays reading books be a little more than want or need but also work as a life style. This reading practice give you lot of advantages. Advantages you got of course the knowledge your information inside the book that improve your knowledge and information. The details you get based on what kind of e-book you

read, if you want drive more knowledge just go with training books but if you want feel happy read one having theme for entertaining for instance comic or novel. The particular Seven Languages in Seven Weeks: A Pragmatic Guide to Learning Programming Languages (Pragmatic Programmers) is kind of reserve which is giving the reader unstable experience.

**Cedric Baker:**

This Seven Languages in Seven Weeks: A Pragmatic Guide to Learning Programming Languages (Pragmatic Programmers) are usually reliable for you who want to be described as a successful person, why. The key reason why of this Seven Languages in Seven Weeks: A Pragmatic Guide to Learning Programming Languages (Pragmatic Programmers) can be among the great books you must have will be giving you more than just simple examining food but feed anyone with information that possibly will shock your preceding knowledge. This book is actually handy, you can bring it almost everywhere and whenever your conditions in e-book and printed versions. Beside that this Seven Languages in Seven Weeks: A Pragmatic Guide to Learning Programming Languages (Pragmatic Programmers) giving you an enormous of experience for example rich vocabulary, giving you trial run of critical thinking that we understand it useful in your day task. So , let's have it appreciate reading.

**Kent Ibarra:**

You can spend your free time to learn this book this publication. This Seven Languages in Seven Weeks: A Pragmatic Guide to Learning Programming Languages (Pragmatic Programmers) is simple bringing you can read it in the area, in the beach, train along with soon. If you did not get much space to bring often the printed book, you can buy the particular e-book. It is make you better to read it. You can save typically the book in your smart phone. Thus there are a lot of benefits that you will get when you buy this book.

**Meghan Drucker:**

That publication can make you to feel relax. That book Seven Languages in Seven Weeks: A Pragmatic Guide to Learning Programming Languages (Pragmatic Programmers) was vibrant and of course has pictures around. As we know that book Seven Languages in Seven Weeks: A Pragmatic Guide to Learning Programming Languages (Pragmatic Programmers) has many kinds or genre. Start from kids until adolescents. For example Naruto or Investigation company Conan you can read and think you are the character on there. So , not at all of book are generally make you bored, any it offers you feel happy, fun and unwind. Try to choose the best book for yourself and try to like reading this.

# Download and Read Online Seven Languages in Seven Weeks: A Pragmatic Guide to Learning Programming Languages (Pragmatic Programmers) By Bruce Tate #VF46HTC0RGM

# Read Seven Languages in Seven Weeks: A Pragmatic Guide to Learning Programming Languages (Pragmatic Programmers) By Bruce Tate for online ebook

Seven Languages in Seven Weeks: A Pragmatic Guide to Learning Programming Languages (Pragmatic Programmers) By Bruce Tate Free PDF d0wnl0ad, audio books, books to read, good books to read, cheap books, good books, online books, books online, book reviews epub, read books online, books to read online, online library, greatbooks to read, PDF best books to read, top books to read Seven Languages in Seven Weeks: A Pragmatic Guide to Learning Programming Languages (Pragmatic Programmers) By Bruce Tate books to read online.

## Online Seven Languages in Seven Weeks: A Pragmatic Guide to Learning Programming Languages (Pragmatic Programmers) By Bruce Tate ebook PDF download

**Seven Languages in Seven Weeks: A Pragmatic Guide to Learning Programming Languages (Pragmatic Programmers) By Bruce Tate Doc**

**Seven Languages in Seven Weeks: A Pragmatic Guide to Learning Programming Languages (Pragmatic Programmers) By Bruce Tate Mobipocket**

**Seven Languages in Seven Weeks: A Pragmatic Guide to Learning Programming Languages (Pragmatic Programmers) By Bruce Tate EPub**

**VF46HTC0RGM: Seven Languages in Seven Weeks: A Pragmatic Guide to Learning Programming Languages (Pragmatic Programmers) By Bruce Tate**