
Writing Software Documentation

Thomas T Barker

Reconnecting Reading and Writing

Pragmatic Unit Testing in Java 8 with JUnit

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Controlling Language in Industry

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Biomechanics of Movement

Writing Software Documentation

Document Drafting Handbook

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Encyclopedia of Computer Science and Technology

Communication on and via Technology
The Product Is Docs
Programming Embedded Systems
Deep Learning with PyTorch
Read Me First!
Handbook of Technical Writing
Making Things Happen
Guide to the Software Engineering Body of Knowledge (Swebok(r))
Deep Learning for Coders with fastai and PyTorch
Making Software
Cochrane Handbook for Systematic Reviews of Interventions
Exam Ref 70-346 Managing Office 365 Identities and Requirements
Programming Elixir ≥ 1.6
Sprint
Software-Defined Radio for Engineers
Living Documentation
The Pragmatic Programmer
Code Complete
Perspectives on Software Documentation
Real-Time Rendering

Professional Java Development with the Spring Framework
Read Me First! A Style Guide for the Computer Industry, Third Edition
Strengthening Forensic Science in the United States
Working Effectively with Legacy Code

*Writing
Software
Documentation*
Thomas T
Barker

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MAYO RAFAEL

*Reconnecting Reading
and Writing* Simon and
Schuster
Use an Approach Inspired
by Domain-Driven Design
to Build Documentation
That Evolves to Maximize
Value Throughout Your
Development Lifecycle

Software documentation can come to life, stay dynamic, and actually help you build better software. Writing for developers, coding architects, and other software professionals, *Living Documentation* shows how to create documentation that evolves throughout your entire design and development lifecycle. Through patterns,

clarifying illustrations, and concrete examples, Cyrille Martraire demonstrates how to use well-crafted artifacts and automation to dramatically improve the value of documentation at minimal extra cost. Whatever your domain, language, or technologies, you don't have to choose between working software and comprehensive, high-quality documentation:

you can have both. · Extract and augment available knowledge, and make it useful through living curation · Automate the creation of documentation and diagrams that evolve as knowledge changes · Use development tools to refactor documentation · Leverage documentation to improve software designs · Introduce living documentation to new and legacy environments

Pragmatic Unit Testing in Java 8 with JUnit
 Infobase Publishing
 Prepare for Microsoft

Exam 70-346, and demonstrate your real-world mastery of the skills needed to provision, manage, monitor, and troubleshoot Microsoft Office 365 identities and cloud services. Designed for experienced IT pros ready to advance their status, this Exam Ref focuses on the critical-thinking and decision-making acumen needed for success at the MCSA level. The new Second Edition reflects all updated exam topics released by Microsoft through mid-2017. It

covers the expertise measured by the following objectives: Provision Office 365 Plan and implement networking and security in Office 365 Manage cloud identities Implement and manage identities by using DirSync Implement and manage Federated Identities single sign on Monitor and troubleshoot Office 365 availability and usage Microsoft Exam Ref publications stand apart from third-party study guides because they: Provide guidance from Microsoft, the creator of

Microsoft certification exams Target IT professional-level exam candidates with content focused on their needs, not "one-size-fits-all content Streamline study by organizing material according to the exam's objective domain (OD), covering one functional group and its objectives in each chapter Feature Thought Experiments to guide candidates through a set of "what if?" scenarios, and prepare them more effectively for Pro-level style exam questions Explore big

picture thinking around the planning and design aspects of the IT pro's job role See full details about Exam 70-346 at: microsoft.com/learning Writing Software Documentation John Wiley & Sons Deep learning is often viewed as the exclusive domain of math PhDs and big tech companies. But as this hands-on guide demonstrates, programmers comfortable with Python can achieve impressive results in deep learning with little math background, small

amounts of data, and minimal code. How? With fastai, the first library to provide a consistent interface to the most frequently used deep learning applications. Authors Jeremy Howard and Sylvain Gugger, the creators of fastai, show you how to train a model on a wide range of tasks using fastai and PyTorch. You'll also dive progressively further into deep learning theory to gain a complete understanding of the algorithms behind the scenes. Train models in

computer vision, natural language processing, tabular data, and collaborative filtering
 Learn the latest deep learning techniques that matter most in practice
 Improve accuracy, speed, and reliability by understanding how deep learning models work
 Discover how to turn your models into web applications
 Implement deep learning algorithms from scratch
 Consider the ethical implications of your work
 Gain insight from the foreword by PyTorch cofounder,

Soumith Chintala
Controlling Language in Industry
 Addison-Wesley Professional
 Scores of talented and dedicated people serve the forensic science community, performing vitally important work. However, they are often constrained by lack of adequate resources, sound policies, and national support. It is clear that change and advancements, both systematic and scientific, are needed in a number of forensic science disciplines to ensure the

reliability of work, establish enforceable standards, and promote best practices with consistent application.
 Strengthening Forensic Science in the United States: A Path Forward provides a detailed plan for addressing these needs and suggests the creation of a new government entity, the National Institute of Forensic Science, to establish and enforce standards within the forensic science community. The benefits of improving and

regulating the forensic science disciplines are clear: assisting law enforcement officials, enhancing homeland security, and reducing the risk of wrongful conviction and exoneration.

Strengthening Forensic Science in the United States gives a full account of what is needed to advance the forensic science disciplines, including upgrading of systems and organizational structures, better training, widespread adoption of uniform and enforceable

best practices, and mandatory certification and accreditation programs. While this book provides an essential call-to-action for congress and policy makers, it also serves as a vital tool for law enforcement agencies, criminal prosecutors and attorneys, and forensic science educators.

The Missing README

Pearson Education
bull; The must-have reference for every technical writer, editor, and documentation manager bull; Provides all

the information you need to document hardware, software, or other computer products bull; Written by award-winning documentation experts at Sun Technical Publications, Read Me First! is the most comprehensive guide to creating documentation that is clear, consistent, and easy to understand
Biomechanics of Movement "O'Reilly Media, Inc."

Five years and more than 100,000 copies after it was first published, it's hard to imagine anyone

working in Web design who hasn't read Steve Krug's "instant classic" on Web usability, but people are still discovering it every day. In this second edition, Steve adds three new chapters in the same style as the original: wry and entertaining, yet loaded with insights and practical advice for novice and veteran alike. Don't be surprised if it completely changes the way you think about Web design. Three New Chapters! Usability as common courtesy -- Why people really leave Web

sites Web Accessibility, CSS, and you -- Making sites usable and accessible Help! My boss wants me to _____. -- Surviving executive design whims "I thought usability was the enemy of design until I read the first edition of this book. Don't Make Me Think! showed me how to put myself in the position of the person who uses my site. After reading it over a couple of hours and putting its ideas to work for the past five years, I can say it has done more to improve my abilities as

a Web designer than any other book. In this second edition, Steve Krug adds essential ammunition for those whose bosses, clients, stakeholders, and marketing managers insist on doing the wrong thing. If you design, write, program, own, or manage Web sites, you must read this book." -- Jeffrey Zeldman, author of Designing with Web Standards
Writing Software Documentation MIT Press
 JavaScript is at the heart of almost every modern

Web application, whether it's Google Apps, Twitter, or the newest browser-based game. Though it's simple for beginners to pick up and play with, JavaScript is not a toy—it's a flexible and complex language that can be used to build full-scale applications. Eloquent JavaScript dives into this flourishing language and teaches you to write code that's beautiful and effective. By immersing you in example code and encouraging experimentation right from the start, the author

quickly gives you the tools you need to build your own programs. As you follow along with examples like an artificial life simulation and a version of the classic game Sokoban, you'll learn to: -Understand the essential elements of programming: syntax, control, and data -Use object-oriented and functional programming techniques to organize and clarify your programs -Script the browser and make basic Web applications -Work with tools like regular

expressions and XMLHttpRequest objects And since programming is an art that's best learned by doing, all example code is available online in an interactive sandbox for you to experiment with. With Eloquent JavaScript as your guide, you can tweak, expand, and modify the author's code, or throw it away and build your own creations from scratch. Before you know it, you'll be fluent in the language of the Web. Document Drafting Handbook Addison-Wesley Professional

Based on the popular Artech House classic, *Digital Communication Systems Engineering with Software-Defined Radio*, this book provides a practical approach to quickly learning the software-defined radio (SDR) concepts needed for work in the field. This up-to-date volume guides readers on how to quickly prototype wireless designs using SDR for real-world testing and experimentation. This book explores advanced wireless communication techniques such as OFDM,

LTE, WLA, and hardware targeting. Readers will gain an understanding of the core concepts behind wireless hardware, such as the radio frequency front-end, analog-to-digital and digital-to-analog converters, as well as various processing technologies. Moreover, this volume includes chapters on timing estimation, matched filtering, frame synchronization message decoding, and source coding. The orthogonal frequency division multiplexing is explained

and details about HDL code generation and deployment are provided. The book concludes with coverage of the WLAN toolbox with OFDM beacon reception and the LTE toolbox with downlink reception. Multiple case studies are provided throughout the book. Both MATLAB and Simulink source code are included to assist readers with their projects in the field. *Extreme Programming Explained* Prentice Hall Professional Writing Software Documentation Allyn &

Bacon

Writing Software

Documentation: A Task-Oriented Approach, 2/E

Pearson Education India

This book is the introduction to Elixir for experienced programmers, completely updated for Elixir 1.6 and beyond. Explore functional programming without the academic overtones (tell me about monads just one more time). Create concurrent applications, but get them right without all the locking and consistency headaches. Meet Elixir, a

modern, functional, concurrent language built on the rock-solid Erlang VM. Elixir's pragmatic syntax and built-in support for metaprogramming will make you productive and keep you interested for the long haul. Maybe the time is right for the Next Big Thing. Maybe it's Elixir. Functional programming techniques help you manage the complexities of today's real-world, concurrent systems; maximize uptime; and manage security. Enter Elixir, with its modern,

Ruby-like, extendable syntax, compile and runtime evaluation, hygienic macro system, and more. But, just as importantly, Elixir brings a sense of enjoyment to parallel, functional programming. Your applications become fun to work with, and the language encourages you to experiment. Part 1 covers the basics of writing sequential Elixir programs. We'll look at the language, the tools, and the conventions. Part 2 uses these skills to start writing concurrent code-

applications that use all the cores on your machine, or all the machines on your network! And we do it both with and without OTP. Part 3 looks at the more advanced features of the language, from DSLs and code generation to extending the syntax. This edition is fully updated with all the new features of Elixir 1.6, with a new chapter on structuring OTP applications, and new sections on the debugger, code formatter, Distillery, and protocols. What You

Need: You'll need a computer, a little experience with another high-level language, and a sense of adventure. No functional programming experience is needed.

Refactoring Pragmatic Bookshelf

The definitive reference for technical writers, editors, and documentation managers, *Read Me First! A Style Guide for the Computer Industry*, Third Edition, has been revised and updated to cover everything from creating screencasts and

referencing web sites to writing for wikis. This award-winning guide to creating clear, consistent, and easy-to-understand documentation covers everything from grammar and writing style to typographic and legal guidelines. The authors, who are senior editors and writers at Sun Microsystems, share their extensive experience and provide practical tips and recommendations, including guidance on hiring writers, working with illustrators, managing schedules and

workflow, and more. The third edition of Read Me First features new chapters on: Writing for wikis and encouraging wiki collaboration
Creating screencasts, using screencast terminology, and guidelines for writing narration
Creating alternative text for nontext elements such as screen captures, multimedia content, illustrations, and diagrams
It also includes new tables for symbol name conventions, for common anthropomorphisms, and

for common idioms and colloquialisms. An updated and expanded recommended reading list suggests additional resources.

Eloquent JavaScript No Starch Press
Reconnecting Reading and Writing explores the ways in which reading can and should have a strong role in the teaching of writing in college.
Reconnecting Reading and Writing draws on broad perspectives from history and international work to show how and why reading should be

reunited with writing in college and high school classrooms. It presents an overview of relevant research on reading and how it can best be used to support and enhance writing instruction.
Systems Analysis and Design Pearson Education
The Spring Framework is a major open source application development framework that makes Java/J2EE(TM) development easier and more productive. This book shows you not only what Spring can do but why, explaining its

functionality and motivation to help you use all parts of the framework to develop successful applications. You will be guided through all the Spring features and see how they form a coherent whole. In turn, this will help you understand the rationale for Spring's approach, when to use Spring, and how to follow best practices. All this is illustrated with a complete sample application. When you finish the book, you will be well equipped to use

Spring effectively in everything from simple Web applications to complex enterprise applications. What you will learn from this book *

- * The core Inversion of Control container and the concept of Dependency Injection
- * Spring's Aspect Oriented Programming (AOP) framework and why AOP is important in J2EE development
- * How to use Spring's programmatic and declarative transaction management services effectively
- * Ways to access data using Spring's JDBC

functionality, iBATIS SQL Maps, Hibernate, and other O/R mapping frameworks * Spring services for accessing and implementing EJBs *

Spring's remoting framework

Who this book is for This book is for Java/J2EE architects and developers who want to gain a deeper knowledge of the Spring Framework and use it effectively.

Wrox Professional guides are planned and written by working programmers to meet the real-world needs of programmers, developers, and IT

professionals. Focused and relevant, they address the issues technology professionals face every day. They provide examples, practical solutions, and expert education in new technologies, all designed to help programmers do a better job.

Don't Make Me Think
"O'Reilly Media, Inc."

What others in the trenches say about *The Pragmatic Programmer*... "The cool thing about this book is that it's great for keeping the programming process fresh. The book

helps you to continue to grow and clearly comes from people who have been there." —Kent Beck, author of *Extreme Programming Explained: Embrace Change* "I found this book to be a great mix of solid advice and wonderful analogies!" —Martin Fowler, author of *Refactoring and UML Distilled* "I would buy a copy, read it twice, then tell all my colleagues to run out and grab a copy. This is a book I would never loan because I would worry about it being lost." —Kevin

Ruland, Management Science, MSG-Logistics "The wisdom and practical experience of the authors is obvious. The topics presented are relevant and useful.... By far its greatest strength for me has been the outstanding analogies—tracer bullets, broken windows, and the fabulous helicopter-based explanation of the need for orthogonality, especially in a crisis situation. I have little doubt that this book will eventually become an excellent source of useful

information for journeymen programmers and expert mentors alike.” —John Lakos, author of *Large-Scale C++ Software Design* “This is the sort of book I will buy a dozen copies of when it comes out so I can give it to my clients.” —Eric Vought, Software Engineer “Most modern books on software development fail to cover the basics of what makes a great software developer, instead spending their time on syntax or technology where in reality the

greatest leverage possible for any software team is in having talented developers who really know their craft well. An excellent book.” —Pete McBreen, Independent Consultant “Since reading this book, I have implemented many of the practical suggestions and tips it contains. Across the board, they have saved my company time and money while helping me get my job done quicker! This should be a desktop reference for everyone who works with code for a living.” —Jared

Richardson, Senior Software Developer, iRenaissance, Inc. “I would like to see this issued to every new employee at my company....” —Chris Cleeland, Senior Software Engineer, Object Computing, Inc. “If I’m putting together a project, it’s the authors of this book that I want. . . . And failing that I’d settle for people who’ve read their book.” —Ward Cunningham Straight from the programming trenches, *The Pragmatic Programmer* cuts through

the increasing specialization and technicalities of modern software development to examine the core process-taking a requirement and producing working, maintainable code that delights its users. It covers topics ranging from personal responsibility and career development to architectural techniques for keeping your code flexible and easy to adapt and reuse. Read this book, and you'll learn how to Fight software rot; Avoid the trap of

duplicating knowledge; Write flexible, dynamic, and adaptable code; Avoid programming by coincidence; Bullet-proof your code with contracts, assertions, and exceptions; Capture real requirements; Test ruthlessly and effectively; Delight your users; Build teams of pragmatic programmers; and Make your developments more precise with automation. Written as a series of self-contained sections and filled with entertaining anecdotes, thoughtful examples, and interesting

analogies, The Pragmatic Programmer illustrates the best practices and major pitfalls of many different aspects of software development. Whether you're a new coder, an experienced programmer, or a manager responsible for software projects, use these lessons daily, and you'll quickly see improvements in personal productivity, accuracy, and job satisfaction. You'll learn skills and develop habits and attitudes that form the foundation for long-term success in your

career. You'll become a Pragmatic Programmer. *Encyclopedia of Computer Science and Technology* No Starch Press

Refactoring is gaining momentum amongst the object oriented programming community. It can transform the internal dynamics of applications and has the capacity to transform bad code into good code. This book offers an introduction to refactoring. *Communication on and via Technology* Pearson Education

This book provides an in-depth study of controlled languages used in technical documents from both a theoretical and practical perspective. It first explores the history of controlled languages employed by the manufacturing industry to shape and constrain the information in technical documents. The author then offers a comparative analysis of existing controlled languages and distills the best-practice features of those language systems. He concludes by offering

innovative models that can be used to develop and trial a new controlled language. This book will be of interest to linguists working in technical and professional communication, as well as writers and practitioners involved in the production of technical documents for companies in multiple industries and geographical locations.

The Product Is Docs
Wiley

An engaging introduction to human and animal movement seen through the lens of mechanics.

How do Olympic sprinters run so fast? Why do astronauts adopt a bounding gait on the moon? How do running shoes improve performance while preventing injuries? This engaging and generously illustrated book answers these questions by examining human and animal movement through the lens of mechanics. The authors present simple conceptual models to study walking and running and apply mechanical principles to a range of interesting

examples. They explore the biology of how movement is produced, examining the structure of a muscle down to its microscopic force-generating motors. Drawing on their deep expertise, the authors describe how to create simulations that provide insight into muscle coordination during walking and running, suggest treatments to improve function following injury, and help design devices that enhance human performance. Programming Embedded

Systems St. Martin's Press New to this edition: Up-to-date information on on-line research and computer resources. A unique four-way access system enables users of the Handbook of Technical Writing to find what they need quickly and get on with the job of writing: 1. The hundreds of entries in the body of the Handbook are alphabetically arranged, so you can flip right to the topic at hand. Words and phrases in bold type provide cross-references to related entries. 2. The

topical key groups alphabetical entries and page numbers under broader topic categories. This topical table of contents allows you to check broader subject areas for the specific topic you need. 3. The checklist of the writing process summarizes the opening essay on "Five Steps to Successful Writing" in checklist form with page references to related topics, making it easy to use the Handbook as a writing text. 4. The comprehensive index provides an exhaustive

listing of related and commonly confused topics, so you can easily locate information even when you don't know the exact term you're looking for.

Deep Learning with PyTorch Pragmatic Bookshelf

Offers a collection of essays on philosophies and strategies for defining, leading, and managing projects. This book explains to technical and non-technical readers alike what it takes to get through a large software or web development

project. It does not cite specific methods, but focuses on philosophy and strategy.

Pearson Education
In the Guide to the Software Engineering Body of Knowledge (SWEBOK(R) Guide), the IEEE Computer Society establishes a baseline for the body of knowledge for the field of software engineering, and the work supports the Society's responsibility to promote the advancement of both theory and practice in this field. It should be noted that the Guide does not

purport to define the body of knowledge but rather to serve as a compendium and guide to the knowledge that has been developing and evolving over the past four decades. Now in Version

3.0, the Guide's 15 knowledge areas summarize generally accepted topics and list references for detailed information. The editors for Version 3.0 of the

SWEBOK(R) Guide are Pierre Bourque (Ecole de technologie superieure (ETS), Universite du Quebec) and Richard E. (Dick) Fairley (Software and Systems Engineering Associates (S2EA)).