

The  
Pragmatic  
Programmers

# Pragmatic Project Automation

*How To Build, Deploy,  
and Monitor Java Applications*

*The Pragmatic Starter Kit – Volume III*



*Mike Clark*

# Pragmatic Project Automation

**Chad Fowler**



## **Pragmatic Project Automation:**

*Pragmatic Project Automation* Mike Clark, 2004      *Pragmatic Project Automation* Mike Clark, 2004 Forget wizards you need a slave someone to do your repetitive tedious and boring tasks without complaint and without pay so you ll have more time to design and write exciting code Indeed that s what computers are for You can enlist your own computer to automate all of your project s repetitive tasks ranging from individual builds and running unit tests through to full product release customer deployment and monitoring the system Many teams try to do these tasks by hand That s usually a really bad idea people just aren t as good at repetitive tasks as machines You run the risk of doing it differently the one time it matters on one machine but not another or doing it just plain wrong But the computer can do these tasks for you the same way time after time without bothering you You can transform these labor intensive boring and potentially risky chores into automatic background processes that just work In this eagerly anticipated book you ll find a variety of popular open source tools to help automate your project With this book you will learn How to make your build processes accurate reliable fast and easy How to build complex systems at the touch of a button How to build test and release software automatically with no human intervention Technologies and tools available for automation which to use and when Tricks and tips from the masters do you know how to have your cell phone tell you that your build just failed You ll find easy to implement recipes to automate your Java project using the same popular style as the rest of our Jolt Productivity Award winning Starter Kit books Armed with plenty of examples and concrete pragmatic advice you ll find it s easy to get started and reap the benefits of modern software development You can begin to enjoy pragmatic automatic unattended software production that s reliable and accurate every time

**Pragmatic Project Automation** Mike Clark, 2004-01-01 Forget wizards you need a slave someone to do your repetitive tedious and boring tasks without complaint and without pay so you ll have more time to design and write exciting code Indeed that s what computers are for You can enlist your own computer to automate all of your project s repetitive tasks ranging from individual builds and running unit tests through to full product release customer deployment and monitoring the system

**Implementing Lean Software Development** Mary Poppendieck, Tom Poppendieck, 2006-09-01 This remarkable book combines practical advice ready to use techniques and a deep understanding of why this is the right way to develop software I have seen software teams transformed by the ideas in this book Mike Cohn author of Agile Estimating and Planning As a lean practitioner myself I have loved and used their first book for years When this second book came out I was delighted that it was even better If you are interested in how lean principles can be useful for software development organizations this is the book you are looking for The Poppendiecks offer a beautiful blend of history theory and practice Alan Shalloway coauthor of Design Patterns Explained I ve enjoyed reading the book very much I feel it might even be better than the first lean book by Tom and Mary while that one was already exceptionally good Mary especially has a lot of knowledge related to lean techniques in product development and manufacturing It s rare that these techniques are actually

translated to software This is something no other book does well except their first book Bas Vodde The new book by Mary and Tom Poppendieck provides a well written and comprehensive introduction to lean principles and selected practices for software managers and engineers It illustrates the application of the values and practices with well suited success stories I enjoyed reading it Roman Pichler In Implementing Lean Software Development the Poppendiecks explore more deeply the themes they introduced in Lean Software Development They begin with a compelling history of lean thinking then move to key areas such as value waste and people Each chapter includes exercises to help you apply keypoints If you want a better understanding of how lean ideas can work with software this book is for you Bill Wake independent consultant In 2003 Mary and Tom Poppendieck's Lean Software Development introduced breakthrough development techniques that leverage Lean principles to deliver unprecedented agility and value Now their widely anticipated sequel and companion guide shows exactly how to implement Lean software development hands on This new book draws on the Poppendiecks unparalleled experience helping development organizations optimize the entire software value stream You'll discover the right questions to ask the key issues to focus on and techniques proven to work The authors present case studies from leading edge software organizations and offer practical exercises for jumpstarting your own Lean initiatives Managing to extend nourish and leverage agile practices Building true development teams not just groups Driving quality through rapid feedback and detailed discipline Making decisions Just in Time but no later Delivering fast How PatientKeeper delivers 45 rock solid releases per year Making tradeoffs that really satisfy customers Implementing Lean Software Development is indispensable to anyone who wants more effective development processes managers project leaders senior developers and architects in enterprise IT and software companies alike

Agile Entwicklungspraktiken mit Scrum Roman Pichler, Stefan Roock, 2011-12-02 Scrum ist ein agiles Management Framework das keine Entwicklungspraktiken empfiehlt oder gar vorschreibt Auswahl und Einsatz der richtigen Praktiken fallen unter die Selbstorganisation des Teams Ohne den Einsatz geeigneter Entwicklungspraktiken und tools ist der Einsatz von Scrum in der Softwareentwicklung jedoch nicht dauerhaft erfolgreich Dieses Buch beschreibt praxisnah die wichtigsten Praktiken wie Architekturvision inkrementeller Entwurf Continuous Integration testgetriebene Entwicklung Refactoring Akzeptanztests sowie modellgetriebene und verteilte Entwicklung mit Scrum

Agile Developer Skills Christoph Mathis, Andreas Wintersteiger, 2011-07-15 Viele Unternehmen und Teams haben ihren Entwicklungsprozess umgestellt und agile Softwareentwicklung eingeführt Begleitend zum Prozess müssen aber auch Fähigkeiten und Praktiken erlernt werden um den Herausforderungen agiler Entwicklungsprozesse insbesondere denen von Scrum gerecht zu werden Im Gegensatz zu anderen Fachbüchern zum Thema Scrum konzentriert sich dieses Buch auf die Aufgaben des agilen Entwicklerteams Es führt in die Praktiken sowie richtige Anwendung agiler Entwicklungstechniken ein und beantwortet Fragen zu spezifischen Situationen im Projekt Das Buch stellt eine Einführung und ein Referenzwerk für jeden agilen Entwickler zu diesen Themen dar Agile Grundlagen für Entwickler Scrum Lean und andere Methoden Qualität und agile

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**Development Environments** Matthew B. Doar, 2005-09-23 This book doesn't tell you how to write faster code or how to write code with fewer memory leaks or even how to debug code at all What it does tell you is how to build your product in better ways how to keep track of the code that you write and how to track the bugs in your code Plus some more things you'll wish you had known before starting a project Practical Development Environments is a guide a collection of advice about real development environments for small to medium sized projects and groups Each of the chapters considers a different kind of tool tools for tracking versions of files build tools testing tools bug tracking tools tools for creating documentation and tools for creating packaged releases Each chapter discusses what you should look for in that kind of tool and what to avoid and also describes some good ideas bad ideas and annoying experiences for each area Specific instances of each type of tool are described in enough detail so that you can decide which ones you want to investigate further Developers want to write code not maintain makefiles Writers want to write content instead of manage templates IT provides machines but doesn't have time to maintain all the different tools Managers want the product to move smoothly from development to release and are interested in tools to help this happen more often Whether as a full time position or just because they are helpful all projects have toolsmiths making choices about tools installing them and then maintaining the tools that everyone else depends upon This book is especially for everyone who ends up being a toolsmith for his or her group **Pragmatic Version Control**

**Using Subversion** Mike Mason, 2006 This book covers the theory behind version control and how it can help developers become more efficient work better as a team and keep on top of software complexity Version control done well is your undo button for the project nothing is final and mistakes are easily rolled back This book describes Subversion 1.3 the latest and hottest open source version control system using a recipe based approach that will get you up and running quickly and correctly Learn how to use Subversion the right way the pragmatic way With this book you can Keep all project assets safe not just source code and never run the risk of losing a great idea Know how to undo bad decisions even directories and symlinks are versioned Learn how to share code safely and work in parallel for maximum efficiency Install Subversion and organize administer and backup your repository Share code over a network with Apache svnserve or ssh Create and manage releases code branches merges and bug fixes Manage 3rd party code safely Use all the latest Subversion 1.3 features including locking and path based security and much more Now there's no excuse not to use professional grade version control **Agile Analytics** Ken Collier, 2012 Using Agile methods you can bring far greater innovation value and quality to any data warehousing DW business intelligence BI or analytics project However conventional Agile methods must be carefully adapted to address the unique characteristics of DW BI projects In Agile Analytics Agile pioneer Ken Collier shows

how to do just that Collier introduces platform agnostic Agile solutions for integrating infrastructures consisting of diverse operational legacy and specialty systems that mix commercial and custom code Using working examples he shows how to manage analytics development teams with widely diverse skill sets and how to support enormous and fast growing data volumes Collier s techniques offer optimal value whether your projects involve back end data management front end business analysis or both Part I focuses on Agile project management techniques and delivery team coordination introducing core practices that shape the way your Agile DW BI project community can collaborate toward success Part II presents technical methods for enabling continuous delivery of business value at production quality levels including evolving superior designs test driven DW development version control and project automation Collier brings together proven solutions you can apply right now whether you re an IT decision maker data warehouse professional database administrator business intelligence specialist or database developer With his help you can mitigate project risk improve business alignment achieve better results and have fun along the way

Groovy in Action Cédric Champeau,Dierk Koenig,Hamlet D'Arcy,Paul King,2015-06-03

Summary Groovy in Action Second Edition is a thoroughly revised comprehensive guide to Groovy programming It introduces Java developers to the dynamic features that Groovy provides and shows how to apply Groovy to a range of tasks including building new apps integration with existing code and DSL development Covers Groovy 2 4 Purchase of the print book includes a free eBook in PDF Kindle and ePub formats from Manning Publications About the Technology In the last ten years Groovy has become an integral part of a Java developer s toolbox Its comfortable common sense design seamless integration with Java and rich ecosystem that includes the Grails web framework the Gradle build system and Spock testing platform have created a large Groovy community About the Book Groovy in Action Second Edition is the undisputed definitive reference on the Groovy language Written by core members of the Groovy language team this book presents Groovy like no other can from the inside out With relevant examples careful explanations of Groovy s key concepts and features and insightful coverage of how to use Groovy in production tasks including building new applications integration with existing code and DSL development this is the only book you ll need Updated for Groovy 2 4 Some experience with Java or another programming language is helpful No Groovy experience is assumed What s Inside Comprehensive coverage of Groovy 2 4 including language features libraries and AST transformations Dynamic static and extensible typing Concurrency actors data parallelism and dataflow Applying Groovy Java integration XML SQL testing and domain specific language support Hundreds of reusable examples About the Authors Authors Dierk K nig Paul King Guillaume Laforge Hamlet D Arcy C dric Champeau Erik Pragt and Jon Skeet are intimately involved in the creation and ongoing development of the Groovy language and its ecosystem Table of Contents PART 1 THE GROOVY LANGUAGE Your way to Groovy Overture Groovy basics Simple Groovy datatypes Collective Groovy datatypes Working with closures Groovy control structures Object orientation Groovy style Dynamic programming with Groovy Compile time metaprogramming and AST transformations Groovy as a static language

PART 2 AROUND THE GROOVY LIBRARY Working with builders Working with the GDK Database programming with Groovy Working with XML and JSON Interacting with Web Services Integrating Groovy PART 3 APPLIED GROOVY Unit testing with Groovy Concurrent Groovy with GParc Domain specific languages The Groovy ecosystem Software Development ,2004

**Sviluppare applicazioni web con Rails 4** Sam Ruby,Thomas Dave,David H. Hansson,2014-03-12T00:00:00+01:00

Ruby on Rails un framework open source scritto in Ruby che rende pi facile sviluppare distribuire e mantenere applicazioni web di qualit professionale La versione 4 ha apportato centinaia di miglioramenti incluse nuove API e ottimizzazioni delle prestazioni Questo libro arrivato alla quinta edizione in lingua inglese e consigliato dal Rails core team si evolve insieme al linguaggio Ruby e si organizza in modo da essere utile sia per gli sviluppatori in cerca di una guida passo passo per creare la prima applicazione sia per chi desidera scoprire Rails in profondit Lo sviluppo di un applicazione reale e funzionante il filo conduttore attraverso cui il lettore viene accompagnato nell apprendimento fino agli aspetti meno noti e pi innovativi del framework Nel testo non mancano indicazioni e approfondimenti dei concetti chiave del linguaggio Ruby Gli esempi sono validi per Rails 4.0 e versioni successive e utilizzano Ruby 2.0

**My Job Went to India** Chad Fowler,2005 The American IT

job market is slowly coming apart at the seams and it s all our fault Most of us have been stumbling around letting our careers take us where they may and now we re surprised when our companies are shipping our jobs overseas for a fraction of the price It s time to take control of our careers and in the process learn to stay both relevant and employed This book will show you how to take action to avoid becoming yet another casualty of offshoring *Data Crunching* Greg Wilson,2005

Every day all around the world programmers have to recycle legacy data translate from one vendor s proprietary format into another s check that configuration files are internally consistent and search through web logs to see how many people have downloaded the latest release of their product This kind of data crunching may not be glamorous but knowing how to do it efficiently is essential to being a good programmer This book describes the most useful data crunching techniques explains when you should use them and shows how they will make your life easier Along the way it will introduce you to some handy but under used features of Java Python and other languages It will also show you how to test data crunching programs and how data crunching fits into the larger software development picture **C/C++ Users Journal** ,2005 Pragmatic Version

Control with CVS David Thomas,Andrew Hunt,2003 Discusses how to improve the effectiveness of the software development process using version control sometimes called source code control A version control system is a place to store all the various revisions of written code while an application is being developed The book focuses on using the freely available open source CVS version control system **Pragmatic Unit Testing in C# with NUnit** Andrew Hunt,David Thomas,2004 Learn how to

improve your C coding skills using unit testing Despite it s name unit testing is really a coding technique not a testing technique Unit testing is done by programmers for programmers It s primarily for our benefit we get improved confidence in our code better ability to make deadlines less time spent in the debugger and less time beating on the code to make it work

correctly This book shows how to write tests but more importantly it goes where other books fear to tread and gives you concrete advice and examples of what to test the common things that go wrong in all of our programs Discover the tricky hiding places where bugs breed and how to catch them using the freely available NUnit framework It s easy to learn how to think of all the things in your code that are likely to break We ll show you how with helpful mnemonics summarized in a handy tip sheet also available from our [www.pragmaticprogrammer.com](http://www.pragmaticprogrammer.com) website With this book you will Write better code and take less time to write it Discover the tricky places where bugs breed Learn how to think of all the things that could go wrong Test individual pieces of code without having to include the whole project Test effectively with the whole team We ll also cover how to use Mock Objects for testing how to write high quality test code and how to use unit testing to improve your design skills We ll show you frequent gotchas along with the fixes to save you time when problems come up But the best part is that you don t need a sweeping mandate to change your whole team or your whole company You don t need to adopt Extreme Programming or Test Driven Development or change your development process in order to reap the proven benefits of unit testing You can start unit testing the pragmatic way right away McGraw-Hill Education ACP Agile Certified Practitioner Exam Klaus Nielsen,2016-03-11 Publisher s Note Products purchased from Third Party sellers are not guaranteed by the publisher for quality authenticity or access to any online entitlements included with the product We want to help you succeed on the Agile Certified Practitioner Exam McGraw Hill Agile Certified Practitioner Exam helps you prepare for this important test and earn the certification that will advance your career Written by a project manager and trainer this book provides you with the intensive review and practice that will help you achieve the results you want Covering all essential processes this book shows you how agile management theory works in practice Inside you will find hundreds of practice questions two complete practice exams and experience based tips to maximize your score You ll be able to sharpen your skills and boost your confidence and do your very best on test day Features A diagnostic test Two complete sample ACP exams 200 additional test like practice questions Practical examples that show agile management processes in the everyday workplace **American Book Publishing Record** ,2003 **MSDN Magazine** ,2008



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