Version Control With Git Powerful Tools And Techniques For Collaborative Software Development By Jon Loeliger Matthew Mccullough 2nd Second Edition 2012

There are many excellent R resources for visualization, data science, and package development. Hundreds of scattered vignettes, web pages, and forums explain how to use R in particular domains. But little has been written on how to simply make R work effectively—until now. This hands-on book teaches novices and experienced R users how to write efficient R code. Drawing on years of experience teaching R courses, authors Colin Gillespie and Robin Lovelace provide practical advice on a range of topics—from optimizing the set-up of RStudio to leveraging C++—that make this book a useful addition to any R user's bookshelf. Academics, business users, and programmers from a wide range of backgrounds stand to benefit from the guidance in Efficient R Programming. Get advice for setting up an R programming environment Explore general programming concepts and R coding techniques Understand the ingredients of an efficient R workflow Learn how to efficiently read and write data in R Dive into data carpentry—the vital skill for cleaning raw data Optimize your code with

profiling, standard tricks, and other methods Determine your hardware capabilities for handling R computation Maximize the benefits of collaborative R programming Accelerate your transition from R hacker to R programmer
Pinocchio, The Tale of a Puppet follows the adventures of a talking wooden puppet whose nose grew longer whenever he told a lie and who wanted more than anything else to become a real boy.As carpenter Master Antonio begins to carve a block of pinewood into a leg for his table the log shouts out, "Don't strike me too hard!" Frightened by the talking log, Master Cherry does not know what to do until his neighbor Geppetto drops by looking for a piece of wood to build a marionette. Antonio gives the block to Geppetto. And thus begins the life of Pinocchio, the puppet that turns into a boy.Pinocchio, The Tale of a Puppet is a novel for children by Carlo Collodi is about the mischievous adventures of Pinocchio, an animated marionette, and his poor father and woodcarver Geppetto. It is considered a classic of children's literature and has spawned many derivative works of art. But this is not the story we've seen in film but the original version full of harrowing adventures faced by Pinnocchio. It includes 40 illustrations.
If you’re new to GitHub, this concise book shows you just what you need to get started and no more. It’s perfect for project and product managers, stakeholders,

and other team members who want to collaborate on a development project—whether it's to review and comment on work in progress or to contribute specific changes. It's also great for developers just learning GitHub. GitHub has rapidly become the default platform for software development, but it's also ideal for other text-based documents, from contracts to screenplays. This hands-on book shows you how to use GitHub's web interface to view projects and collaborate effectively with your team. Learn how and why people use GitHub to collaborate View the status of a project—recent changes, outstanding work, and historic changes Create and edit files through GitHub without learning Git Suggest changes to projects you don't have permission to edit directly Use tools like issues, pull requests, and branches to specify and collaborate on changes Create a new GitHub repository to control who has access to your project Forecasting is required in many situations. Stocking an inventory may require forecasts of demand months in advance. Telecommunication routing requires traffic forecasts a few minutes ahead. Whatever the circumstances or time horizons involved, forecasting is an important aid in effective and efficient planning. This textbook provides a comprehensive introduction to forecasting methods and presents enough information about each method for readers to use them sensibly.

Git for Programmers

Mastering Git

Beginning Git and GitHub

A Step-by-step Course for the Complete Beginner

Continuous Deployment with Argo CD, Jenkins X, and Flux

Powerful Collaborative Software Development for Version Control, Project Management, and Teamwork

Leverage the power of Git to smooth out the development cycle Professional Git takes a professional approach to learning this massively popular software development tool, and provides an up-to-date guide for new users. More than just a development manual, this book helps you get into the Git mindset—extensive discussion of corollaries to traditional systems as well as considerations unique to Git help you draw upon existing skills while looking out—and planning for—the differences. Connected labs and exercises are interspersed at key points to reinforce important concepts and deepen your understanding, and a focus on the practical goes beyond technical tutorials to help you integrate the Git model into your real-world workflow. Git greatly simplifies the software development cycle, enabling users to create, use, and switch between versions as easily as you switch between files. This book shows you how to harness that power and flexibility to streamline your development cycle. Understand the basic Git model and overall workflow Learn the Git versions of common source management concepts and commands Track changes, work

with branches, and take advantage of Git's full functionality Avoid trip-ups and missteps common to new users Git works with the most popular software development tools and is used by almost all of the major technology companies. More than 40 percent of software developers use it as their primary source control tool, and that number continues to grow; the ability to work effectively with Git is rapidly approaching must-have status, and Professional Git is the comprehensive guide you need to get up to speed quickly.

"Tiny Python Projects is a gentle and amusing introduction to Python that will firm up key programming concepts while also making you giggle."—Amanda Debler, Schaeffler Key Features Learn new programming concepts through 21-bitesize programs Build an insult generator, a Tic-Tac-Toe AI, a talk-like-a-pirate program, and more Discover testing techniques that will make you a better programmer Code-along with free accompanying videos on YouTube Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications. About The Book The 21 fun-but-powerful activities in Tiny Python Projects teach Python fundamentals through puzzles and games. You'll be engaged and entertained with every exercise, as you learn about text manipulation, basic algorithms, and lists and dictionaries, and other foundational programming skills. Gain confidence and experience while you create each satisfying project. Instead of going quickly through a wide range of concepts, this book concentrates on the most useful skills, like text manipulation, data structures, collections, and program logic with projects that include a password creator, a word rhymer, and a

Shakespearean insult generator. Author Ken Youens-Clark also teaches you good programming practice, including writing tests for your code as you go. What You Will Learn Write command-line Python programs Manipulate Python data structures Use and control randomness Write and run tests for programs and functions Download testing suites for each project This Book Is Written For For readers familiar with the basics of Python programming. About The Author Ken Youens-Clark is a Senior Scientific Programmer at the University of Arizona. He has an MS in Biosystems Engineering and has been programming for over 20 years. Table of Contents 1 How to write and test a Python program 2 The crow's nest: Working with strings 3 Going on a picnic: Working with lists 4 Jump the Five: Working with dictionaries 5 Howler: Working with files and STDOUT 6 Words count: Reading files and STDIN, iterating lists, formatting strings 7 Gashlycrumb: Looking items up in a dictionary 8 Apples and Bananas: Find and replace 9 Dial-a-Curse: Generating random insults from lists of words 10 Telephone: Randomly mutating strings 11 Bottles of Beer Song: Writing and testing functions 12 Ransom: Randomly capitalizing text 13 Twelve Days of Christmas: Algorithm design 14 Rhymer: Using regular expressions to create rhyming words 15 The Kentucky Friar: More regular expressions 16 The Scrambler: Randomly reordering the middles of words 17 Mad Libs: Using regular expressions 18 Gematria: Numeric encoding of text using ASCII values 19 Workout of the Day: Parsing CSV files, creating text table output 20 Password strength: Generating a secure and memorable password 21 Tic-Tac-Toe: Exploring state 22 Tic-Tac-

Toe redux: An interactive version with type hints

If you are a software developer with little or no experience of versioning systems, or are familiar with other centralized versioning systems, then this book is for you. If you have some experience working with command lines or using Linux admin or just using Unix and want to know more about Git, then this book is ideal for you.

Provides information on using Git to track, merge, and manage software projects.

Git for Teams

Ruby on Rails Tutorial

Git: Mastering Version Control

Version Control by Example

Pragmatic Version Control Using Git

A Practical Guide to Smarter Programming

Version Control with Git takes you step-by-step through ways to track, merge, and manage software projects, using this highly flexible, open source version control system. Git permits virtually an infinite variety of methods for development and collaboration. Created by Linus Torvalds to manage development of the Linux kernel, it's become the principal tool for distributed version control. But Git's flexibility also means that some users don't understand how to use it to their best advantage. Version Control with Git offers tutorials on the most effective ways to use it, as well as friendly yet rigorous advice to help you navigate Git's many functions. With this book, you will: Learn how to use Git in several real-world development environments

Gain insight into Git's common-use cases, initial tasks, and basic functions Understand how to use Git for both centralized and distributed version control Use Git to manage patches, diffs, merges, and conflicts Acquire advanced techniques such as rebasing, hooks, and ways to handle submodules (subprojects) Learn how to use Git with Subversion Git has earned the respect of developers around the world. Find out how you can benefit from this amazing tool with Version Control with Git.

Track, branch, merge, and manage code revisions with Git, the free and open source distributed version control system. Through a series of step-by-step tutorials, this practical guide quickly takes you from Git fundamentals to advanced techniques, and provides friendly yet rigorous advice for navigating Git's many functions. You'll learn how to work with everything from small to very large projects with speed and efficiency. In this third edition, authors Prem Kumar Ponuthorai and Jon Loeliger break down Git concepts using a modular approach. You'll start with the basics and fundamental philosophy of Git, followed by intermediate commands to help you efficiently supplement your daily development workflow. Finally, you'll learn advanced Git commands and concepts to understand how Git works under the hood. Learn how to use Git for real-world development scenarios Gain insight into Git's common use cases, initial tasks, and basic functions Use the system for distributed version control Learn how to manage merges, conflicts, patches, and diffs Apply advanced techniques such as rebasing, hooks, and ways to handle submodules

Git is a distributed revision control and source code management system with an emphasis on

speed. Git was initially designed and developed by Linus Torvalds for Linux kernel development. Git is a free software distributed under the terms of the GNU General Public License version 2. This tutorial explains how to use Git for project version control in a distributed environment while working on web-based and non web-based applications development.

Learn to track, branch, merge, and manage code revisions for real-world development scenarios Key Features Master Git and maintain your projects better through version control Get to grips with Git's typical workflows, advanced functions, and their implementations Learn the key Git commands to better manage your repository Book Description Whether you're looking for a book to deepen your understanding of Git or a refresher, this book is the ultimate guide to Git. Git for Programmers comprehensively equips you with actionable insights on advanced Git concepts in an engaging and straightforward way. As you progress through the chapters, you'll gain expertise (and confidence) on Git with lots of practical use cases. After a quick refresher on git history and installation, you'll dive straight into the creation and cloning of your repository. You'll explore Git places, branching, and GUIs to get familiar with the fundamentals. Then you'll learn how to handle merge conflicts, rebase, amend, interactive rebase, and use the log, as well as explore important Git commands for managing your repository. The troubleshooting part of this Git book will include detailed instructions on how to bisect, blame, and several other problem handling techniques that will complete your newly acquired Git arsenal. By the end of this book, you'll be using Git with confidence. Saving, sharing, managing files as well as

undoing mistakes and basically rewriting history will be a breeze. What you will learn Create remote and local repositories and learn how to clone them Understand the difference between local and remote repositories Use, manage, and merge branches back into the main branch Utilize tools to manage merge conflicts Manage commits on your local machine through interactive rebasing Use the log to gain control over all the data in your repository Use bisect, blame, and other tools to undo Git mistakes Who this book is for If you have basic understanding of Git and want to strengthen your command over advanced techniques and navigate different functions, this book is for you. Knowing the fundamentals of Git will help you get the most out of this book, but beginners willing to invest some extra effort will be able to follow along as well.

Mastering Flask Web Development

The Ultimate Guide for Beginners: Learn Git Version Control

Subversion 1.6 Official Guide

Pinocchio, the Tale of a Puppet

Powerful Tools and Techniques

Learn Version Control With Git

Summary Git in Practice is a collection of 66 tested techniques that will optimize the way you and your team manage your development projects. The book begins with a brief reminder of the core version control concepts you need when using Git and moves on to the high-value features you may not have explored yet. Then,

you'll dig into cookbook-style techniques like history visualization, advanced branching and rewriting history each presented in a problem-solution-discussion format. Finally you'll work out how to use Git to its full potential through configuration, team workflows, submodules and using GitHub pull requests effectively. Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications. About the Technology Git is a source control system, but it's a lot more than just that. For teams working in today's agile, continuous delivery environments, Git is a strategic advantage. Built with a decentralized structure that's perfect for a distributed team, Git manages branching, committing, complex merges, and task switching with minimal ceremony so you can concentrate on your code. About the Book Git in Practice is a collection of battle-tested techniques designed to optimize the way you and your team manage development projects. After a brief overview of Git's core features, this practical guide moves quickly to high-value topics like history visualization, advanced branching and rewriting, optimized configuration, team workflows, submodules, and how to use GitHub pull requests. Written in an easy-to-follow Problem/Solution/Discussion format with numerous diagrams and examples, it skips the theory and gets right to the nitty-gritty tasks that will transform the way you work. Written for developers familiar with version control and ready for the

good stuff in Git. What's Inside Team interaction strategies and techniques Replacing bad habits with good practices Juggling complex configurations Rewriting history and disaster recovery About the Author Mike McQuaid is a software engineer at GitHub. He's contributed to Qt and the Linux kernel, and he maintains the Git-based Homebrew project. Table of Contents PART 1 INTRODUCTION TO GIT Local Git Remote Git PART 2 GIT ESSENTIALS Filesystem interactions History visualization Advanced branching Rewriting history and disaster recovery PART 3 ADVANCED GIT Personalizing Git Vendoring dependencies as submodules Working with Subversion GitHub pull requests Hosting a repository PART 4 GIT BEST PRACTICES Creating a clean history Merging vs. rebasing Recommended team workflows

Annotation A guide to the popular version control system, this book walks Git users through the source control implications of how a team is structured, and how the software is delivered to clients. The book then covers not just how to use popular work flow strategies, such as GitFlow, but why, and under what circumstances, these strategies should be applied.

Attain expert-level proficiency with Git for enhanced productivity and efficient collaboration by mastering advanced distributed version control features About This Book Set up Git for solo and collaborative development Harness the full

power of Git version control system to customize Git behavior, manipulate history, integrate external tools and explore platform shortcuts A detailed guide, which explains how to apply advanced Git techniques and workflows and ways to handle submodules Who This Book Is For If you are a Git user with reasonable knowledge of Git and familiarity with basic concepts such as branching, merging, staging, and workflows, this is the book for you. Basic knowledge of installing Git and software configuration management concepts is essential. What You Will Learn Explore project history, find revisions using different criteria, and filter and format how history looks Manage your working directory and staging area for commits and interactively create new revisions and amend them Set up repositories and branches for collaboration Submit your own contributions and integrate contributions from other developers via merging or rebasing Customize Git behavior system-wide, on a per-user, per-repository, and per-file basis Take up the administration and set up of Git repositories, configure access, find and recover from repository errors, and perform repository maintenance Chose a workflow and configure and set up support for the chosen workflow In Detail Git is one of the most popular types of Source Code Management (SCM) and Distributed Version Control System (DVCS). Despite the powerful and versatile nature of the tool enveloping strong support for nonlinear development and the

ability to handle large projects efficiently, it is a complex tool and often regarded as "user-unfriendly". Getting to know the ideas and concepts behind the architecture of Git will help you make full use of its power and understand its behavior. Learning the best practices and recommended workflows should help you to avoid problems and ensure trouble-free development. The book scope is meticulously designed to help you gain deeper insights into Git's architecture, its underlying concepts, behavior, and best practices. Mastering Git starts with a quick implementation example of using Git for a collaborative development of a sample project to establish the foundation knowledge of Git operational tasks and concepts. Furthermore, as you progress through the book, the tutorials provide detailed descriptions of various areas of usage: from archaeology, through managing your own work, to working with other developers. This book also helps augment your understanding to examine and explore project history, create and manage your contributions, set up repositories and branches for collaboration in centralized and distributed version control, integrate work from other developers, customize and extend Git, and recover from repository errors. By exploring advanced Git practices, you will attain a deeper understanding of Git's behavior, allowing you to customize and extend existing recipes and write your own. Style and approach Step-by-step instructions and useful information make this book the

ultimate guide to understanding and mastering Git. This book will show road to mastery example by example, while explaining mental model of Git. The Introduction section covers the 'Essentials' just for refreshing the basics. The main highlight is that the concepts are based on HOW the technology/framework works and not just practical 'WHAT to do'.

This is the eBook of the printed book and may not include any media, website access codes, or print supplements that may come packaged with the bound book. Used by sites as varied as Twitter, GitHub, Disney, and Airbnb, Ruby on Rails is one of the most popular frameworks for developing web applications, but it can be challenging to learn and use. Whether you're new to web development or new only to Rails, Ruby on Rails™ Tutorial, Fourth Edition, is the solution. Best-selling author and leading Rails developer Michael Hartl teaches Rails by guiding you through the development of three example applications of increasing sophistication. The tutorial's examples focus on the general principles of web development needed for virtually any kind of website. The updates to this edition include full compatibility with Rails 5, a division of the largest chapters into more manageable units, and a huge number of new exercises interspersed in each chapter for maximum reinforcement of the material. This indispensable guide provides integrated tutorials not only for Rails, but also for the essential Ruby,

HTML, CSS, and SQL skills you need when developing web applications. Hartl explains how each new technique solves a real-world problem, and then he demonstrates it with bite-sized code that's simple enough to understand, yet novel enough to be useful. Whatever your previous web development experience, this book will guide you to true Rails mastery. This book will help you Install and set up your Rails development environment, including pre-installed integrated development environment (IDE) in the cloud Go beyond generated code to truly understand how to build Rails applications from scratch Learn testing and test-driven development (TDD) Effectively use the Model-View-Controller (MVC) pattern Structure applications using the REST architecture Build static pages and transform them into dynamic ones Master the Ruby programming skills all Rails developers need Create high-quality site layouts and data models Implement registration and authentication systems, including validation and secure passwords Update, display, and delete users Upload images in production using a cloud storage service Implement account activation and password reset, including sending email with Rails Add social features and microblogging, including an introduction to Ajax Record version changes with Git and create a secure remote repository at Bitbucket Deploy your applications early and often with Heroku

A Working Introduction

Git in Practice

Learn Web Development with Rails

Practical Git

GitHub For Dummies

Analyzing Data from Facebook, Twitter, LinkedIn, and Other Social Media Sites

Get up to speed on Git for tracking, branching, merging, and managing code revisions. Through a series of step-by-step tutorials, this practical guide takes you quickly from Git fundamentals to advanced techniques, and provides friendly yet rigorous advice for navigating the many functions of this open source version control system. This thoroughly revised edition also includes tips for manipulating trees, extended coverage of the reflog and stash, and a complete introduction to the GitHub repository. Git lets you manage code development in a virtually endless variety of ways, once you understand how to harness the system's flexibility. This book shows you how. Learn how to use Git for several real-world development scenarios Gain insight into Git's common-use cases, initial tasks, and basic functions Use the system for both centralized and distributed version control Learn how to manage merges, conflicts, patches, and diffs Apply advanced techniques such as rebasing, hooks, and ways to handle submodules Interact with Subversion (SVN) repositories—including SVN to Git conversions Navigate, use, and contribute to open source projects though GitHub

Are you looking for a new version control system? Perhaps what you're using now is too cumbersome, or you just want to try something new to manage a pet project. With Git by Ryan Hodson, you can get up and running with one of the fastest-spreading revision control systems out there. Complete with vivid diagrams, clear code samples, and a careful walk-through of primary features, this free e-book is your quick guide to how Git operates, what its advantages are, and how you can incorporate it into your own workflow. This updated and expanded second edition of Book provides a user-friendly introduction to the subject, Taking a clear structural framework, it guides the reader through the subject's core elements. A flowing writing style combines with the use of illustrations and diagrams throughout the text to ensure the reader understands even the most complex of concepts. This succinct and enlightening overview is a required reading for all those interested in the subject . We hope you find this book useful in shaping your future career & Business.

Pro Git (Second Edition) is your fully-updated guide to Git and its usage in the modern world. Git has come a long way since it was first developed by Linus Torvalds for Linux kernel development. It has taken the open source world by storm since its inception in 2005, and this book teaches you how to use it like a pro. Effective and well-implemented version control is a necessity for successful web projects, whether large or small. With this book you'll learn how to master the world of distributed version workflow, use the distributed features of Git to the full, and extend Git to meet your every need. Written by Git pros Scott Chacon and

Ben Straub, Pro Git (Second Edition) builds on the hugely successful first edition, and is now fully updated for Git version 2.0, as well as including an indispensable chapter on GitHub. It's the best book for all your Git needs.

Learn the key concepts and basic workflow for Git with this easy to follow, top rated, bootcamp-style book! Learn the basics of Git through detailed and easy to follow along screencasts. Start using Git today! This book is designed to cut academic theory to just the key concepts and focus on basics tasks in Git in order to be productive quickly. Students can expect to learn the minimum needed to start using Git in less than an hour. Who this book is for: Anyone interested in using source control and specifically Git Software engineers, developers, and programmers new to Git

Pragmatic Guide to Git

Learn coding and testing with puzzles and games

Powerful Tools and Techniques for Collaborative Software Development

Head First Git

A Comprehensive Guide to Version Control, Project Management, and Teamwork for the New Developer

Getting Started with GIT

Provides information on data analysis from a vareity of social networking sites, including Facebook, Twitter, and LinkedIn.

Version Control with GitPowerful Tools and Techniques for Collaborative Software Development"O'Reilly Media, Inc."

You won't find a top programmer, web developer, or web designer who doesn't use version control. Because it helps you produce better results and makes collaboration easy.Git is one of those version control systems - but not just any: Top projects like the Linux Kernel, Ruby On Rails, or jQuery use Git as their version control system of choice. Around the world, in teams large and small, Git is an essential part of the tool chain.Get up to speed on Git for tracking, branching, merging, and managing code revisions. Through a series of step-by-step tutorials, this practical guide takes you quickly from Git fundamentals to advanced techniques, and provides friendly yet rigorous advice for navigating the many functions of this open source version control system.Git lets you manage code development in a virtually endless variety of ways, once you understand how to harness the system's flexibility. This book "Version Control with Git: Powerful Collaborative Software Development for Version Control, Project Management, and Teamwork" shows you how.-Track and revise code using Git-Learn how to use Git for several real-world development scenarios-Gain insight into Git's common-use cases, initial tasks, and basic functions-Use the system for both centralized and distributed version control-Learn how to manage merges, conflicts, patches, and diffs-Push (upload) code to GitHub-Interact with Subversion (SVN) repositories-including SVN to Git conversions-Navigate, use, and contribute to open source projects though GitHubWhat you'll learn: Table of Contents.Chapter 1. Introduction to DevOpsChapter 2. Git - Environment SetupChapter 3. Git - Review ChangesChapter 4. Git - Stash OperationChapter 5.

Git - Tag OperationChapter 6. Git - Handling ConflictsChapter 7. ConclusionABOUT THE AUTHOROTHER BOOKS BY MOUBACHIR MADANI FADOUL Click the BUY button now and download the book now to start learning Version Control with Git. Learn it fast and learn it well.

GitOps and Kubernetes teaches you how to use Git and the GitOps methodology to manage a Kubernetes cluster. Summary GitOps and Kubernetes introduces a radical idea—managing your infrastructure with the same Git pull requests you use to manage your codebase. In this in-depth tutorial, you'll learn to operate infrastructures based on powerful-but-complex technologies such as Kubernetes with the same Git version control tools most developers use daily. With these GitOps techniques and best practices, you'll accelerate application development without compromising on security, easily roll back infrastructure changes, and seamlessly introduce new team members to your automation process. Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications. About the technology With GitOps you use the Git version control system to organize and manage your infrastructure just like any other codebase. It's an excellent model for applications deployed as containers and pods on Kubernetes. About the book GitOps and Kubernetes teaches you how to use Git and the GitOps methodology to manage a Kubernetes cluster. The book interleaves theory with practice, presenting core Ops concepts alongside easy-to-implement techniques so you can put GitOps into action. Learn to develop pipelines that trace changes, roll back mistakes, and audit container deployment.

What's inside Managing secrets the GitOps way Controlling access with Git, Kubernetes, and Pipeline Branching, namespaces, and configuration About the reader For developers and operations engineers familiar with continuous delivery, Git, and Kubernetes. About the author Billy Yuen, Alexander Matyushentsev, Todd Ekenstam, and Jesse Suen are principal engineers at Intuit. They are widely recognized for their work in GitOps for Kubernetes. Table of Contents PART 1 - BACKGROUND 1 Why GitOps? 2 Kubernetes & GitOps PART 2 - PATTERNS & PROCESSES 3 Environment Management 4 Pipelines 5 Deployment Strategies 6 Access Control & Security 7 Secrets 8 Observability PART 3 - TOOLS 9 Argo CD 10 Jenkins X 11 Flux

Version Control with Subversion

A User-Centered Approach to Creating Efficient Workflows in Git

GitOps and Kubernetes

Git Essentials

Build enterprise-grade, scalable Python web applications, 2nd Edition

Learn Version Control with Git: A Step-By-Step Ultimate Beginners Guide

This title is one of the "Essentials" IT Books published by TechNet Publications Limited. This Book is a very helpful practical guide for beginners in the topic , which can be used as a learning material for students pursuing their studies in undergraduate and graduate levels in universities and colleges and those who want to learn the topic via a short and complete resource. We hope you find this book useful in shaping your future career.This book will be available soon...

Practice your Git skills using exercises in your own environment. This book introduces concepts in an abstract visual way, and then enforces this learning through exercises - the Git katas. You will start with basic interactions such as commits and branches, and move on to both internals and collaborative workflows. Best practices are introduced and rehearsed throughout with hands-on exercises. Each topic is supplemented with interactive Git exercises that can be solved using any Git client – either the ubiquituous CLI or one of the many graphical clients so you'll learn in the environment you work in. The importance of Git is hard to overstate – it is used by 90% of software engineers worldwide and is the de facto standard for version control. Honing your Git skills is guaranteed to make you a better and more efficient developer. Building software can be stressful, but it doesn't need to be. Practical Git will give you the Git skills you need, and help keep your Git skills sharp. Add it to your library today. What You'll Learn Use Git through scripted exercises and the Git katas Understand Git's graph model Troubleshoot common and rare scenarios you may face Select and apply the right Git tool for the task Maintain and collaborate on Git repositories Tweak Git to gain the most from this powerful tool Who This Book Is For Anyone who is currently using Git in a copy-paste fashion. It will take you from using Git to knowing Git.

Code collaboratively with GitHub Once you've learned the basics of coding the next step is to start sharing your expertise, learning from other coding pros, or working as a collaborative member of development teams. GitHub is the go-to community for facilitating coding collaboration, and GitHub For Dummies is the next step on your journey as a developer. Written by a GitHub engineer, this book is packed with insight on how GitHub works and how you can use it to become a more effective, efficient, and valuable member of any collaborative

programming team. Store and share your work online with GitHub Collaborate with others on your team or across the international coding community Embrace open-source values and processes Establish yourself as a valuable member of the GitHub community From setting up GitHub on your desktop and launching your first project to cloning repositories, finding useful apps on the marketplace, and improving workflow, GitHub For Dummies covers the essentials the novice programmer needs to enhance collaboration and teamwork with this industry-standard tool.

There's a change in the air. High-profile projects such as the Linux Kernel, Mozilla, Gnome, and Ruby on Rails are now using Distributed Version Control Systems (DVCS) instead of the old stand-bys of CVS or Subversion. Git is a modern, fast, DVCS. But understanding how it fits into your development can be a daunting task without an introduction to the new concepts. Whether you're just starting out as a professional programmer or are an old hand, this book will get you started using Git in this new distributed world.

Powerful tools and techniques for collaborative software development

A Non-Technical Guide

Version Control With Git

Tiny Python Projects

Professional Git

This pocket guide is the perfect on-the-job companion to Git, the distributed version control system. It provides a compact, readable introduction to Git for new users, as well as a reference to common commands and procedures for those of you with Git experience. Written for Git version 1.8.2, this handy

task-oriented guide is organized around the basic version control functions you need, such as making commits, fixing mistakes, merging, and searching history. Examine the state of your project at earlier points in time Learn the basics of creating and making changes to a repository Create branches so many people can work on a project simultaneously Merge branches and reconcile the changes among them Clone an existing repository and share changes with push/pull commands Examine and change your repository's commit history Access remote repositories, using different network protocols Get recipes for accomplishing a variety of common tasks

Learn the fundamentals of version control through step-by-step tutorials that will teach you the ins-and-outs of Git. This book is your complete guide to how Git and GitHub work in a professional team environment. Divided into three parts – Version Control, Project Management and Teamwork – this book reveals what waits for you in the real world and how to resolve the problems you may run into. Once past the basics of Git, you'll see how to manage a software project, and finally how to utilize Git and GithHub to work effectively as a team. You'll examine how to plan, follow and execute a project with GitHub, and then apply those concepts to real-world situations. Workaround the pitfalls that most programmers fall into when driving a project with Git by using proven tactics to avoid them. You will also be taught the easiest and quickest ways to resolve merge conflicts. A lot of modern books on Git don't go into depth about non-technical topics. Beginning Git and GitHub will help you cover all the bases right at the start of your career. What You'll Learn Review basic and advanced concepts of GitApply Project Management skills using GitHub Solve conflicts or, ideally, avoid them altogetherUse advanced concepts for a more boosted workflow Who This book Is For New developers, developers that have never worked in a team environment before, developers with basic knowledge of Git or GitHub, or anyone who works with text documents.

Learn everything you need to take full control of your workflow with Git with this curated Learning Path – dive in and transform the way you work About This Book Master all the basic concepts of Git to protect your code and make it easier to evolve Filled with practical recipes that will teach you how to use the most advanced features of the Git system Harness the full power of the Git version control system to customize Git behavior, manipulate history, integrate external tools, and explore platform shortcuts Who This Book Is For This learning path is for software developers who want to become proficient at using the Git version control system. A basic understanding of any version control system would be beneficial. What You Will Learn Transport your work to a remote repository in a centralized manner Experiment with your code without affecting functional code files Explore some tools used to migrate to Git from other versioning systems without losing your development history Understand the Git data model and how you can navigate the database with simple commands Debug with Git and use various techniques to find faulty commits Customize Git behavior system-wide, on a per-user, per-repository, and per-file basis Master administering and setting up Git repositories, configuring access, finding and recovering from repository errors, and performing repository maintenance Chose a workflow and configure/set up support for the chosen workflow In Detail Git is one of the most popular types of Distributed Version Control System. Since its inception, it has attracted skilled developers due to its robust, powerful, and reliable features. Like most powerful tools, Git can be hard to approach for the newcomers. However, this learning path will help you overcome this fear and become adept at all the basic and advanced tasks in Git. This course starts with an introduction to version control systems before you delve deeply into the essentials of Git. This serves as a primer for the topics to follow such as branching and merging, creating and managing a GitHub personal repository, and fork and pull requests. You'll also learn how to migrate from SVN using Git tools or TortoiseGit and migrate from other VCSs,

concluding with a collection of resources, links, and appendices. As you progress on to the next module, you will learn how you can automate the usual Git processes by utilizing the hook system built into Git. It also covers advanced repository management, including different options to rewrite the history of a Git repository before you discover how you can work offline with Git, how to track what is going on behind the scenes, and how to use the stash for different purposes. Moving forward, you will gain deeper insights into Git's architecture, its underlying concepts, behavior, and best practices. It gives a quick implementation example of using Git for a collaborative development of a sample project to establish the foundation knowledge of Git operational tasks and concepts. By exploring advanced Git practices, you will attain a deeper understanding of Git's behavior, allowing you to customize and extend existing recipes and write your own. This Learning Path is a blend of content, all packaged up keeping your journey in mind. It includes content from the following Packt products: Git Essentials, Ferdinando Santacroce Git Version Control Cookbook, Aske Olsson and Rasmus Voss Mastering Git, Jakub Narebski Style and approach Its step-by-step approach with useful information makes this course the ultimate guide to understanding and mastering Git. This course will show the road to mastery example by example, while also explaining the mental model of Git.

Summary Learn Git in a Month of Lunches introduces the discipline of source code control using Git. Whether you're a newbie or a busy pro moving your source control to Git, you'll appreciate how this book concentrates on the components of Git you'll use every day. In easy-to-follow lessons designed to take an hour or less, you'll dig into Git's distributed collaboration model, along with core concepts like committing, branching, and merging. Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications. About the Book Git is the source code control system preferred by modern development teams. Its decentralized architecture and lightning-fast branching let

you concentrate on your code instead of tedious version control tasks. At first, Git may seem like a sprawling beast. Fortunately, to get started you just need to master a few essential techniques. Read on! Learn Git in a Month of Lunches introduces the discipline of source code control using Git. Helpful for both newbies who have never used source control and busy pros, this book concentrates on the components of Git you'll use every day. In easy-to-follow lessons that take an hour or less, you'll dig into Git's distributed collaboration model, along with core concepts like committing, branching, and merging. This book is a road map to the commands and processes you need to be instantly productive. What's Inside Start from square one—no experience required The most frequently used Git commands Mental models that show how Git works Learn when and how to branch code About the Reader No previous experience with Git or other source control systems is required. About the Author Rick Umali uses Git daily as a developer and is a skilled consultant, trainer, and speaker. Table of Contents Before you begin An overview of Git and version control Getting oriented with Git Making and using a Git repository Using Git with a GUI Tracking and updating files in Git Committing parts of changes The time machine that is Git Taking a fork in the road Merging branches Cloning Collaborating with remotes Pushing your changes Keeping in sync Software archaeology Understanding git rebase Workflows and branching conventions Working with GitHub Third-party tools and Git Sharpening your Git

Master Git for effective implementation of version control for your programming projects

Git Pocket Guide

Forecasting: principles and practice

Version Control with Git

Pro Git

Confident Git Through Practice

Need to learn how to wrap your head around Git, but don't need a lot of hand holding? Grab this book if you're new to Git, not to the world of programming. Git tasks displayed on two-page spreads provide all the context you need, without the extra fluff.

This is the official guide and reference manual for Subversion 1.6 - the popular open source revision control technology.

Learn to build modern, secure, highly available web MVC applications and API's using Python`s Flask framework. Key FeaturesCreate production-ready MVC and REST API with the dynamic features of FlaskUtilize the various extensions like Flask-JWT and Flask-SQLAlchemy to develop powerful applicationsDeploy your flask application on real-world platforms like AWS and Heroku on VM's or Docker containersBook Description Flask is a popular Python framework known for its lightweight and modular design. Mastering Flask Web Development will take you on a complete tour of the Flask environment and teach you how to build a production-ready application. You'll begin by learning about the installation of Flask and basic concepts such as MVC and accessing a database using an ORM. You will learn how to structure your application so that it can scale to

any size with the help of Flask Blueprints. You'll then learn how to use Jinja2 templates with a high level of expertise. You will also learn how to develop with SQL or NoSQL databases, and how to develop REST APIs and JWT authentication. Next, you'll move on to build role-based access security and authentication using LDAP, OAuth, OpenID, and database. Also learn how to create asynchronous tasks that can scale to any load using Celery and RabbitMQ or Redis. You will also be introduced to a wide range of Flask extensions to leverage technologies such as cache, localization, and debugging. You will learn how to build your own Flask extensions, how to write tests, and how to get test coverage reports. Finally, you will learn how to deploy your application on Heroku and AWS using various technologies, such as Docker, CloudFormation, and Elastic Beanstalk, and will also learn how to develop Jenkins pipelines to build, test, and deploy applications. What you will learnDevelop a Flask extension using best practicesImplement various authentication methods: LDAP, JWT, Database, OAuth, and OpenIDLearn how to develop role-based access security and become an expert on Jinja2 templatesBuild tests for your applications and APIsInstall and configure a distributed task queue

using Celery and RabbitMQDevelop RESTful APIs and secure REST API'sDeploy highly available applications that scale on Heroku and AWS using Docker or VMsWho this book is for The ideal target audience for this book would be Python developers who want to use Flask and its advanced features to create Enterprise grade and lightweight applications. The book is for those who have some exposure of Flask and want to take it from introductory to master level.

What will you learn from this book? Many people who use Git rely on "recipes"--copying and pasting commands they find on the internet without really understanding how Git actually works. But what do you do if you find yourself in a tight spot? You can't simply wing it. With this unique hands-on guide, you'll learn the ways of Git and have fun while doing it. Raju Gandhi peels back the layers to reveal the simple yet powerful engine that powers Git, so you'll understand not just the how but the why. You'll master branches, merges, commit messages, search, utilities, and more; learn best practices for collaborative work; and unlock the full potential of Git. What's so special about this book? If you've read a Head First book, you know what to expect--a visually rich format designed for the way your brain works. If you haven't, you're in

for a treat. With this book, you'll learn Git through a multisensory experience that engages your mind rather than a text-heavy approach that puts you to sleep.

Git Version Control Cookbook

Introducing GitHub

Git

Mining the Social Web

Efficient R Programming

Learn Git in a Month of Lunches

This practical guide contains a wide variety of recipes, taking you through all the topics you need to know about to fully utilize the most advanced features of the Git system. If you are a software developer or a build and release engineer who uses Git in your daily work and want to take your Git knowledge to the next level, then this book is for you. To understand and follow the recipes included in this book, basic knowledge of Git command-line code is mandatory.

Git is the version control system developed by Linus Torvalds for Linux kernel development. It took the open source world by storm since its inception in 2005, and is used by small development shops and giants like Google, Red Hat, and IBM, and of course many open source

projects. A book by Git experts to turn you into a Git expert Introduces the world of distributed version control Shows how to build a Git development workflow