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Introducing GitHub 2014-11-11

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

Git Essentials 2021-01-19

git essentials is a book for for all developers beginner to advanced and written to get you up to speed with the world s most popular version control system git has become synonymous with vcss and is expected to be in the wheelhouse of every developer as one of the most fundamental tools used to coordinate software development stop turning to google every time you need to commit some code create a feature branch or tag a release with this book you ll actually learn git instead of just memorize the commands we re all guilty of copy pasting git commands from the first result that shows up in google but the important question we re missing is is that really the right thing for our situation learning and understanding these commands will help you become a more productive member of your team this book assumes no prior experience with git it applies to any operating system and will work with any source files that can be version controlled it covers almost everything you need to know from why version control systems are considered fundamental tools to the basics of git to advanced operations and best practices contents introduction prerequisites source code management getting started the basics of git branching remote branching models advanced operations good bad practices conclusion

Beginning Git and GitHub 2019-11-30

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 github 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

Alfresco Developer Guide 2008-10-31

customizing alfresco with actions web scripts web forms workflows and more

WiX 3.6 - A Developer's Guide to Windows Installer XML 2012-01-01

a step by step tutorial with plenty of code and examples to improve your learning curve if you are a developer and want to create installers for software targeting the windows platform then this book is for you you ll be using plenty of xml and ought to know the basics of writing a well formed document no prior experience in wix or windows installer is assumed you should know your way around visual studio to compile projects add project references and tweak project properties

Beginning Git and GitHub 2024-03-14

learn the fundamentals of version control through step by step tutorials that will teach you the ins and outs of git this updated version introduces github workflows and contains new chapters on how to make git and github truly yours covers additional common problems and how to solve them along with new features of github pull requests 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 github 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 workaroud 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 is your complete guide to how git and github work in a professional team environment and will help you cover all the bases right at the start of your career what you ll learn review basic and advanced concepts of git apply project management skills using github solve conflicts or ideally avoid them altogether use 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

Pro Git 2014-11-18

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 linux 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

2023-01-12

4/27

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GitHub For Dummies 2023-01-27

get more out of your coding with github for today s coders github is a must the world s largest software development platform github helps developers store track and collaborate on software projects in this easy to follow dummies guide you ll find insight into creating repositories establishing projects collaborating incorporating open source resources and establishing yourself as a valued member of the github community with a working knowledge of github you ll be a better more employable programmer the simple instructions and interactive examples in this book will get you there quickly get the instructions you need for using github to collaborate on software projects become more attractive to employers with knowledge and experience in the largest development platform set up github desktop create a repository and launch your first project use github skills courses to learn new tricks for beginners to pros you ve learned how to write a little code now learn how to share it with github

Mastering JBoss Drools 6 2016-03-31

discover the power of drools 6 and business rules for developing complex scenarios in your applications about this book implement and model different rules using the drl full syntax model complex business decisions and domain models in order to automate and improve your operational decisions with the drools framework a practical fast paced hands on guide to help you use the different components provided by the drools rule engine who this book is for this book is for java developers and architects who need to have a deep understanding of how to create or integrate your applications with the drools rules framework the book assumes that you know the java language well and also have experience with some widely used frameworks such as spring you should also know the basics of maven based applications what you will learn automate your application s decisions such as promotion applying discount policies fraud detection and more quickly get started with writing your first rules using the drl full syntax discover the power of the new syntax components of the rule language define inferences in your business rules to simplify complex decisions write decision tables templates domain specific languages and scorecards and learn how to map them to the drools framework harness the full operational power

2023-01-12

5/27

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of drools through all of its configuration points use drools configurations and architectures for different environments and scenarios in detail mastering jboss drools 6 will provide you with the knowledge to develop applications involving complex scenarios you will learn how to use kie modules to create and execute business rules and how the phreak algorithm internally works to drive the rule engine decisions this book will also cover the relationship between drools and jbpmm which allows you to enrich your applications by using business processes you will be briefly introduced to the concept of complex event processing drools cep where you will learn how to aggregate and correlate your data based on temporal conditions you will also learn how to define rules using domain specific languages such as spreadsheets database entries pmml and more towards the end this book will take you through the integration of drools with the spring and camel frameworks for more complex applications style and approach approached from a developer s perspective the book teaches you all the advanced concepts of business rules applicable examples with helpful screenshots diagrams tutorials and examples

Docs Like Code 2018-01-13

looking for a way to invigorate your technical writing team and grow that expertise to include developers designers and writers of all backgrounds when you treat docs like code you multiply everyone's efforts and streamline processes through collaboration automation and innovation second edition now available with updates and more information about version control for documents and continuous publishing

***Mastering Git* 2022**

mastering git aims to introduce developers of all ages to the wonderful and useful world of git as far as software development is considered the advent of git has truly proven to be a milestone if you are a software developer you have probably heard of git already its importance and functionality in the world of coding merits very high praise for a variety of reasons computers now have become very amenable machines you can remove a significant section of the text from your work accidentally but there is no need to panic simply use the undo option and you re good this however was not the case in the early days of development back then developers did not have access to any such technology and it was only one person who used to own the master copy of a

2023-01-12

6/27

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work this person would divide the code into specific parts which would subsequently be divided between developers who would work on their part and make their completed submissions independently of each other this was followed by a standard check after which the old version was completely replaced by the new version this was a very tedious process unless someone were very proactive with making copies of the code the previous versions of a file were often effectively lost thankfully a significant breakthrough came in 1972 when developer marc rochkind invented the source code control system sccs which was the very first form of version control system it was limited in terms of its functionality could allow only one person to work on it at a time while concurrent management had to be handled using locks but we have come a long way since then today git is the single most used vcs out there and its influence on coding and development in particular the innovative use of branches in order to facilitate collaboration for projects cannot be over emphasized version control has become an indispensable part of our lives and being familiar with the functioning of git is something employers deem highly important mastering git beginner s guide will prove to be of tremendous help for developers of all spheres in learning git and version control the book offers information on a wide array of subjects pertaining to git and even briefly touches upon its history advantages and disadvantages mastering git also offers tips on installation different elements involved in its functioning like repositories remotes aliases tagging branches etc popular services and hosts for git projects like github gitlab bitbucket etc too are discussed in detail for both newbie learners as well as trained professionals this book will prove to be a handy guide for all times learn more about our mastering titles on this page mastering computer science book series routledge crc press

Certified Kubernetes Application Developer (CKAD) Study Guide

2021-02-02

developers with the ability to operate troubleshoot and monitor applications in kubernetes are in high demand today to meet this need the cloud native computing foundation created a certification exam to establish a developer s credibility and value in the job market to work in a kubernetes environment the certified kubernetes application developer ckad exam is different from the typical multiple choice format of other certifications instead the ckad is a performance based exam that requires deep knowledge of the tasks under immense time pressure this study guide walks you through all the topics you need to fully prepare for the exam author benjamin muschko also

shares his personal experience with preparing for all aspects of the exam learn when and how to apply kubernetes concepts to manage an application understand the objectives abilities tips and tricks needed to pass the ckad exam explore the ins and outs of the kubectrl command line tool demonstrate competency for performing the responsibilities of a kubernetes application developer solve real world kubernetes problems in a hands on command line environment navigate and solve questions during the ckad exam

Moodle 3.x Developer's Guide 2017-06-29

effortlessly ensure your application s code quality from day 1 about this book customize your moodle 3 x app leverage the new features of moodle 3 x by diving deep into the moodle development eco system cater to heavy user traffic customize learning requirements and create custom third party plugins who this book is for this book is for moodle developers who are familiar with the basic moodle functionality and have an understanding of the types of scenarios in which the moodle platform can be usefully employed you must have medium level php programming knowledge you should be familiar with html and xml protocols you do not need to have prior knowledge of moodle specific terminology what you will learn work with the different types of custom modules that can be written for moodle 3 x understand how to author custom modules so they conform to the agreed moodle 3 x development guidelines get familiar with the moodle 3 x architecture its internal and external apis customize moodle 3 x so it can integrate seamlessly with third party applications of any kind build a new course format to specify the layout of a course implement third party graphics libraries in your plugins build plugins that can be themed easily provide custom apis that will provide the means to automate moodle 3 in real time in detail the new and revamped moodle is the top choice for developers to create cutting edge e learning apps that cater to different user s segments and are visually appealing as well this book explains how the moodle 3 x platform provides a framework that allows developers to create a customized e learning solution it begins with an exploration of the different types of plugin we then continue with an investigation of creating new courses you will create a custom plugin that pulls in resources from a third party repository then you ll learn how users can be assigned to courses and granted the necessary permissions furthermore you will develop a custom user home at the end of the book we ll discuss the services api to fully automate moodle 3 x in real time style and approach this book takes a step by step practical approach with every step explained in great detail using

practical examples you will create custom plugins from scratch with the examples shown and create new modules as well as extensions with the examples presented

Mastering Git & GitHub 2024-04

unlock the full potential of version control and collaborative development with mastering git github whether you re a complete novice or an experienced developer looking to refine your skills this comprehensive guide is your essential companion for navigating the modern landscape of software development in this book you ll discover a clear introduction to the concepts and importance of version control systems vcs setting the stage for mastering git and github step by step instructions on installing and configuring git grounding you in the essentials of commits branches and merges expert insight into working with remote repositories on github providing you with the keys to unlock collaborative development and contribute to the open source community advanced features of git including stashing and rebasing enabling you to manage your development process like a pro the art of streamlining workflow with git integration in popular integrated development environments ides enhancing your productivity and code quality guidance on automating workflows with github actions for continuous integration ci and continuous deployment cd revolutionizing your software delivery process essential tips on troubleshooting common issues helping you overcome hurdles quickly and efficiently what makes this book unique it caters specifically to beginners and intermediates ensuring that the content is approachable and digestible engaging writing style with compelling anecdotes and insights that bring the world of version control to life step into the future of software development with confidence by mastering the powerful duo of git and github enhance collaboration streamline your development and secure your codebase with the best practices detailed in this guide embrace the journey of becoming adept in version control and collaborative development start your learning adventure today with mastering git github

The Missing README 2021-08-10

key concepts and best practices for new software engineers stuff critical to your workplace success that you weren t taught in school for new software engineers knowing how to program is only half the battle you ll quickly find that many of the skills and processes key to your

2023-01-12

9/27

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success are not taught in any school or bootcamp the missing readme fills in that gap a distillation of workplace lessons best practices and engineering fundamentals that the authors have taught rookie developers at top companies for more than a decade early chapters explain what to expect when you begin your career at a company the book's middle section expands your technical education teaching you how to work with existing codebases address and prevent technical debt write production grade software manage dependencies test effectively do code reviews safely deploy software design evolvable architectures and handle incidents when you're on call additional chapters cover planning and interpersonal skills such as agile planning working effectively with your manager and growing to senior levels and beyond you'll learn how to use the legacy code change algorithm and leave code cleaner than you found it how to write operable code with logging metrics configuration and defensive programming how to write deterministic tests submit code reviews and give feedback on other people's code the technical design process including experiments problem definition documentation and collaboration what to do when you are on call and how to navigate production incidents architectural techniques that make code change easier agile development practices like sprint planning stand ups and retrospectives this is the book your tech lead wishes every new engineer would read before they start by the end you'll know what it takes to transition into the workplace from cs classes or bootcamps to professional software engineering

Version Control with Git 2012-08-14

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 through github

IBM Cloud Private Application Developer's Guide 2019-05-01

ibm cloud private is an application platform for developing and managing containerized applications across hybrid cloud environments on premises and public clouds it is an integrated environment for managing containers that includes the container orchestrator kubernetes a private image registry a management console and monitoring frameworks this ibm redbooks publication covers tasks that are performed by ibm cloud private application developers such as deploying applications application packaging with helm application automation with devops using microclimate and managing your service mesh with istio the authors team has many years of experience in implementing ibm cloud private and other cloud solutions in production environments throughout this book we used the approach of providing you the recommended practices in those areas as part of this project we also developed several code examples which can be downloaded from the redbooks github web page if you are an ibm cloud private application developer this book is for you if you are an ibm cloud private systems administrator you can see the ibm redbooks publication ibm private cloud systems administrator's guide sg248440

Git in Practice 2014-09-29

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

2023-01-12

11/27

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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

Hands-On Visual Studio 2022 2024-03-01

unlock the power of visual studio 2022 with this step by step illustrated guide and leverage its powerful features key features ride the wave of artificial intelligence using the new gpt based extensions explore tips tricks and best practices to discover ways to overcome source code challenges get to grips with visual studio s basic and advanced features to harness its full potential and enhance your coding journey purchase of the print or kindle book includes a free pdf ebook book descriptionvisual studio 2022 is widely recognized as the best ide for application development across various domains this book is a comprehensive guide for both beginners and experienced net developers who wish to familiarize themselves with its basic advanced and new features this book is divided into three sections the first is an overview of visual studio the second part explores tools for productivity within the ide and the third delves into integration with github and visual studio extensions in this second edition we ve also expanded the chapters on the use of visual studio to environments beyond web development such as azure desktop net maui and others updates to the ide introduced since the release year of the first edition of the book in 2022 have also been included such as the use of gpt based extensions like github copilot and

github copilot chat as well as profiling tools the book reviews breakpoint groups a new way to configure breakpoints as well as tools for web development such as browser link dev tunnels and api endpoints explorer for more advanced developers the book addresses the topic of developing extensions through the use of the new visual studio sdk by the end of this book you ll have a better understanding of visual studio 2022 and how to use it to its fullest potential what you will learn discover what s new in visual studio 2022 get to grips with the new features in code tools to improve productivity explore latest compilation and debugging tips unveil shortcuts tricks tips and tools to improve productivity within visual studio 2022 leverage remote and collaborative work with visual studio 2022 find out how to create new projects and templates in visual studio 2022 enhance your skills by learning general tools shortcuts and tips for net developers implement version control with git integration into your workflow who this book is for this book is for net developers who want to learn how to use the latest features tools and extensions available in visual studio 2022 to get the most out of the book general knowledge of c is recommended knowledge of web development azure net maui and desktop with net will help you follow along but it s not a prerequisite

Building Tools with GitHub 2016-02-08

for your next project on github take advantage of the service s powerful api to meet your unique development requirements this practical guide shows you how to build your own software tools for customizing the github workflow each hands on chapter is a compelling story that walks you through the tradeoffs and considerations for building applications on top of various github technologies if you re an experienced programmer familiar with github you ll learn how to build tools with the github api and related open source technologies such as jekyll site builder hubot nodejs chat robot and gollum wiki build a simple ruby server with gist api command line tools and ruby s octokit api client use the gollum command line tool to build an image management application build a gui tool to search github with python document interactions between third party tools and your code use jekyll to create a fully featured blog from material in your github repository create an android mobile application that reads and writes information into a jekyll repository host an entire single page javascript application on github use hubot to automate pull request reviews

The Hitchhiker's Guide to Python 2016-08-30

the hitchhiker s guide to python takes the journeyman pythonista to true expertise more than any other language python was created with the philosophy of simplicity and parsimony now 25 years old python has become the primary or secondary language after sql for many business users with popularity comes diversity and possibly dilution this guide collaboratively written by over a hundred members of the python community describes best practices currently used by package and application developers unlike other books for this audience the hitchhiker s guide is light on reusable code and heavier on design philosophy directing the reader to excellent sources that already exist

A Developer's Guide to Cloud Apps Using Microsoft Azure 2023-02-17

build and deploy modern and secure applications on microsoft azure by implementing best practices patterns and new technologies with this easy to follow guide purchase of the print or kindle book includes a free pdf ebook key featureslearn various methods to migrate legacy applications to cloud using different azure servicesimplement continuous integration and deployment as a best practice for devops and agile developmentget started with building cloud based applications using containers and orchestrators in different scenariosbook description companies face several challenges during cloud adoption with developers and architects needing to migrate legacy applications and build cloud oriented applications using azure based technologies in different environments a developer s guide to cloud apps using microsoft azure helps you learn how to migrate old apps to azure using the cloud adoption framework and presents use cases as well as build market ready secure and reliable applications the book begins by introducing you to the benefits of moving legacy apps to the cloud and modernizing existing ones using a set of new technologies and approaches you ll then learn how to use technologies and patterns to build cloud oriented applications this app development book takes you on a journey through three major services in azure namely azure container registry azure container instances and azure kubernetes service which will help you build and deploy an application based on microservices finally you ll be able to implement continuous integration and deployment in azure to fully automate the

2023-01-12

14/27

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software delivery process including the build and release processes by the end of this book you ll be able to perform application migration assessment and planning select the right azure services and create and implement a new cloud oriented application using azure containers and orchestrators what you will learn get to grips with new patterns and technologies used for cloud native applications migrate old applications and databases to azure with ease work with containers and orchestrators to automate app deployment select the right azure service for deployment as per the use case set up ci cd pipelines to deploy apps and services on azure devops leverage azure app service to deploy your first application build a containerized app using docker and azure container registry who this book is for this book is for cloud developers software architects system administrators developers and computer science students looking to understand the new role of the software architect or developer in the cloud world professionals looking to enhance their cloud and cloud native programming concepts will also find this book useful a sound background in c asp net core and visual studio any recent version and basic knowledge of cloud computing will be helpful

SFML Game Development 2013-01-01

sfml game development is a fast paced step by step guide providing you with all the knowledge and tools you need to create your first game using sfml 2.0 sfml game development addresses ambitious c programmers who want to develop their own game if you have plenty of ideas for an awesome and unique game but don't know how to start implementing them then this book is for you the book assumes no knowledge about sfml or game development but a solid understanding of c is required

Git for Programmers 2021-06-30

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

2023-01-12

15/27

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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

How to Become A Web Developer 2020-02-03

how to become a developer a field guide learn what it takes to become a developer and how you can become one no matter your age or background you can become a developer this book is for those who are considering learning programming as a career or even to be more familiar with the lingo as an advantage at work there are a lot of articles books and online courses out there but too often they make assumptions about what you already know they start in the middle instead of at the beginning this book is a linear path to going from where you are now to becoming a web developer in this book we cover the fundamentals more importantly we talk about why they are the fundamentals for every topic covered we talk about how it fits into the larger picture of web development by the end of this book you will be able to make an educated decision about your future and understand the steps and commitment it will take to get there why become a developer pay in the us according to stackoverflow s 2019 survey the avg reported salary for a developer is 100k opportunities according to the bureau of labor statistics computer and it occupations are

the fastest growing of all us occupations accessibility all you need is a computer and internet connection to teach yourself the required skills what you ll learn you re not buying just a book you re buying a field guide with over 50 exercises to help you learn and understand the material html css and javascript we spend a chapter on each of these core languages you will become comfortable with each and understand why they are so important d104 editor devtools and terminal these three tools are used daily by all developers you will become well versed in how to use them and why they are so helpful popular programming languages there are hundreds of programming languages out there we focus on the top 10 you ll learn about what languages you should focus on for specific roles fields this discussion helps you narrow in your interest git and github you will become familiar with the general git github workflow more importantly you will understand how these technologies work and in doing so get a leg up on many of your peers most beginner programmers don t understand what makes git so special you will frontend vs backend in the last 5 years the most significant split in web development is between the backend and frontend we investigate why this happened the difference between the two and how this will impact your next steps field guide we have created an 11x17 pdf field guide showing you where we ve gone and what you should focus on after the completion of this book faqhow long is the book the book has 9 chapters totaling 320 pages with over 50 exercises we made the exercises fun and very easy to follow we use a lot of screenshots with clear directions additionally all the exercises are fun you won t see any hello world or foo bar exercises here do i have to have prior development experience nope this book is for beginners if you do have experience with html css etc there is still a lot for you to learn from this book

Git Essentials 2017-11-08

dive and explore into the latest addons of the latest git about this book master all the basic concepts of git to protect your code and make it easier to evolve use git proficiently and learn how to resolve day by day challenges easily this step by step guide is packed with examples to help you learn and work with git s internals who this book is for if you are a software developer with little or no experience of versioning systems or you are familiar with other centralized versioning systems then this book is for you if you have experience in server and system management and need to broaden your use of git from a devops perspective this book contains everything you need what you will learn master git fundamentals be able to visualize even with

the help of a valid gui tool write principal commands in a shell figure out the right strategy to run change your daily work with few or no annoyances explore the tools used to migrate to git from the subversion versioning system without losing your development history plan new projects and repositories with ease using online services or local network resources in detail since its inception git has attracted skilled developers due to its robust powerful and reliable features its incredibly fast branching ability transformed a piece of code from a niche tool for linux kernel developers into a mainstream distributed versioning system like most powerful tools git can be hard to approach since it has a lot of commands subcommands and options that easily confuse newcomers the 2nd edition of this very successful book will help you overcome this fear and become adept in all the basic tasks in git building upon the success of the first book we start with a brief step by step installation guide after this you ll delve into the essentials of git for those of you who have bought the first edition this time we go into internals in far greater depth talking less about theory and using much more practical examples the book serves as a primer for topics to follow such as branching and merging creating and managing a github personal repository and fork and pull requests you ll then learn the art of cherry picking taking only the commits you want followed by git blame finally we ll see how to interoperate with a subversion server covering the concepts and commands needed to convert an svn repository into a git repository to conclude this is a collection of resources links and appendices to satisfy even the most curious style and approach this short guide will help you understand the concepts and fundamentals of git is a step by step manner

Clean Code 2008-08-01

even bad code can function but if code isn t clean it can bring a development organization to its knees every year countless hours and significant resources are lost because of poorly written code but it doesn t have to be that way noted software expert robert c martin presents a revolutionary paradigm with clean code a handbook of agile software craftsmanship martin has teamed up with his colleagues from object mentor to distill their best agile practice of cleaning code on the fly into a book that will instill within you the values of a software craftsman and make you a better programmer but only if you work at it what kind of work will you be doing you ll be reading code lots of code and you will be challenged to think about what s right about that code and what s wrong with it more importantly you will be challenged to reassess your

professional values and your commitment to your craft clean code is divided into three parts the first describes the principles patterns and practices of writing clean code the second part consists of several case studies of increasing complexity each case study is an exercise in cleaning up code of transforming a code base that has some problems into one that is sound and efficient the third part is the payoff a single chapter containing a list of heuristics and smells gathered while creating the case studies the result is a knowledge base that describes the way we think when we write read and clean code readers will come away from this book understanding how to tell the difference between good and bad code how to write good code and how to transform bad code into good code how to create good names good functions good objects and good classes how to format code for maximum readability how to implement complete error handling without obscuring code logic how to unit test and practice test driven development this book is a must for any developer software engineer project manager team lead or systems analyst with an interest in producing better code

Git for Teams 2015-08-24

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

SQL Server 2016 Developer's Guide 2017-03-22

get the most out of the rich development capabilities of sql server 2016 to build efficient database applications for your organization about this book utilize the new enhancements in transact sql and security features in sql server 2016 to build efficient database applications work with temporal tables to get information about data stored in the table at any point in time a detailed guide to sql server 2016 introducing you to multiple new features and enhancements to improve your overall development experience who this book is for this book is for database developers and solution architects who plan to use the new sql server 2016 features for developing efficient database applications it is also ideal for experienced sql server developers who want to switch to sql server 2016 for its rich development capabilities some understanding of

the basic database concepts and transact sql language is assumed what you will learn explore the new development features introduced in sql server 2016 identify opportunities for in memory oltp technology significantly enhanced in sql server 2016 use columnstore indexes to get significant storage and performance improvements extend database design solutions using temporal tables exchange json data between applications and sql server in a more efficient way migrate historical data transparently and securely to microsoft azure by using stretch database use the new security features to encrypt or to have more granular control over access to rows in a table simplify performance troubleshooting with query store discover the potential of r s integration with sql server in detail microsoft sql server 2016 is considered the biggest leap in the data platform history of the microsoft in the ongoing era of big data and data science compared to its predecessors sql server 2016 offers developers a unique opportunity to leverage the advanced features and build applications that are robust scalable and easy to administer this book introduces you to new features of sql server 2016 which will open a completely new set of possibilities for you as a developer it prepares you for the more advanced topics by starting with a quick introduction to sql server 2016 s new features and a recapitulation of the possibilities you may have already explored with previous versions of sql server the next part introduces you to small delights in the transact sql language and then switches to a completely new technology inside sql server json support we also take a look at the stretch database security enhancements and temporal tables the last chapters concentrate on implementing advanced topics including query store columnstore indexes and in memory oltp you will finally be introduced to r and how to use the r language with transact sql for data exploration and analysis by the end of this book you will have the required information to design efficient high performance database applications without any hassle style and approach this book is a detailed guide to mastering the development features offered by sql server 2016 with a unique learn as you do approach all the concepts are explained in a very easy to understand manner and are supplemented with examples to ensure that you the developer are able to take that next step in building more powerful robust applications for your organization with ease

Introducing Github 2017

annotation software is eating the world and github is where software is built github is also a powerful way for people to collaborate on text based documents from contracts to screenplays to

legislation with this introductory guide you ll learn how to use github to manage and collaborate with developers designers and other business professionals more effectively topics include project transparency collaboration tools the basics of git version control management and how to make changes yourself without having to bother your development team

The Linux Kernel Module Programming Guide 2009-01-05

linux kernel module programming guide is for people who want to write kernel modules it takes a hands on approach starting with writing a small hello world program and quickly moves from there far from a boring text on programming linux kernel module programming guide has a lively style that entertains while it educates an excellent guide for anyone wishing to get started on kernel module programming money raised from the sale of this book supports the development of free software and documentation

WiX Cookbook 2015-01-30

if you are a developer with a good understanding of wix projects and would like to further explore advanced wix topics this book is for you to get the most out of this book knowledge of proper xml syntax is recommended

The Software Developer's Guide to Linux 2024-01-29

a must read for software developers lacking command line skills focusing on linux it provides transferable command line proficiency for use in mac os unix and windows with wsl key features a practical no nonsense guide specifically written for developers not sysadmins who need to quickly learn command line skills expand your practical skills and look like a wizard on the command line build practical skills to work effectively with the most common cli tools on unix like systems book description developers are always looking to raise their game to the next level yet most are completely lost when it comes to the linux command line this book is the bridge that will take you to the next level in your software development career most of the skills in the book can be immediately put to work to make you a more efficient developer it s written specifically for software engineers not linux system administrators so each chapter will equip you with just

2023-01-12

21/27

engineering physics pune
university paper pattern 2013

enough theory to understand what you're doing before diving into practical commands that you can use in your day to day work as a software developer as you work through the book you'll quickly absorb the basics of how linux works while you get comfortable moving around the command line once you've got the core skills you'll see how to apply them in different contexts that you'll come across as a software developer building and working with docker images automating boring build tasks with shell scripts and troubleshooting issues in production environments by the end of the book you'll be able to use linux and the command line comfortably and apply your newfound skills in your day to day work to save time troubleshoot issues and be the command line wizard that your team turns to what you will learn learn useful command line tricks and tools that make software development testing and troubleshooting easy understand how linux and command line environments actually work create powerful customized tools and save thousands of lines of code with developer centric linux utilities gain hands on experience with docker ssh and shell scripting tasks that make you a more effective developer get comfortable searching logs and troubleshooting problems on linux servers handle common command line situations that stump other developers who this book is for this book is for software developers who want to build practical command line cli and linux skills and who want to quickly fill the gap to advance their skills and their career basic knowledge of editing text working with files and folders having some idea of what operating systems are installing software and using a development environment is assumed

Learn Git in a Month of Lunches 2015-09-01

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

Git 2020-08-07

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

The Rust Programming Language (Covers Rust 2018) 2019-09-03

the official book on the rust programming language written by the rust development team at the mozilla foundation fully updated for rust 2018 the rust programming language is the official book on rust an open source systems programming language that helps you write faster more reliable software rust offers control over low level details such as memory usage in combination with high level ergonomics eliminating the hassle traditionally associated with low level languages the authors of the rust programming language members of the rust core team share their knowledge and experience to show you how to take full advantage of rust s features from installation to

creating robust and scalable programs you ll begin with basics like creating functions choosing data types and binding variables and then move on to more advanced concepts such as ownership and borrowing lifetimes and traits using rust s memory safety guarantees to build fast safe programs testing error handling and effective refactoring generics smart pointers multithreading trait objects and advanced pattern matching using cargo rust s built in package manager to build test and document your code and manage dependencies how best to use rust s advanced compiler with compiler led programming techniques you ll find plenty of code examples throughout the book as well as three chapters dedicated to building complete projects to test your learning a number guessing game a rust implementation of a command line tool and a multithreaded server new to this edition an extended section on rust macros an expanded chapter on modules and appendixes on rust development tools and editions

Blockchain Developer's Guide 2018-12-21

build real world projects like a smart contract deployment platform betting apps wallet services and much more using blockchain key features apply blockchain principles and features for making your life and business better understand ethereum for smart contracts and dapp deployment tackle current and future challenges and problems relating to blockchain book description blockchain applications provide a single shared ledger to eliminate trust issues involving multiple stakeholders it is the main technical innovation of bitcoin where it serves as the public ledger for bitcoin transactions blockchain developer s guide takes you through the electrifying world of blockchain technology it begins with the basic design of a blockchain and elaborates concepts such as initial coin offerings icos tokens smart contracts and other related terminologies you will then explore the components of ethereum such as ether tokens transactions and smart contracts that you need to build simple dapps blockchain developer s guide also explains why you must specifically use solidity for ethereum based projects and lets you explore different blockchains with easy to follow examples you will learn a wide range of concepts beginning with cryptography in cryptocurrencies and including ether security mining and smart contracts you will learn how to use web sockets and various api services for ethereum by the end of this learning path you will be able to build efficient decentralized applications this learning path includes content from the following packt products blockchain quick reference by brenn hill samanyu chopra paul valencourt building blockchain projects by narayan prusty what you will learn understand how

various components of the blockchain architecture workget familiar with cryptography and the mechanics behind blockchainapply consensus protocol to determine the business sustainabilityunderstand what icos and crypto mining are and how they workwho this book is for blockchain developer s guide is for you if you want to get to grips with the blockchain technology and develop your own distributed applications it is also designed for those who want to polish their existing knowledge regarding the various pillars of the blockchain ecosystem prior exposure to an object oriented programming language such as javascript is needed

Python Data Science Handbook 2016-11-21

for many researchers python is a first class tool mainly because of its libraries for storing manipulating and gaining insight from data several resources exist for individual pieces of this data science stack but only with the python data science handbook do you get them all ipython numpy pandas matplotlib scikit learn and other related tools working scientists and data crunchers familiar with reading and writing python code will find this comprehensive desk reference ideal for tackling day to day issues manipulating transforming and cleaning data visualizing different types of data and using data to build statistical or machine learning models quite simply this is the must have reference for scientific computing in python with this handbook you ll learn how to use ipython and jupyter provide computational environments for data scientists using python numpy includes the ndarray for efficient storage and manipulation of dense data arrays in python pandas features the dataframe for efficient storage and manipulation of labeled columnar data in python matplotlib includes capabilities for a flexible range of data visualizations in python scikit learn for efficient and clean python implementations of the most important and established machine learning algorithms

A A Frontend Web Developer's Guide to Testing 2022-03-29

this book is a comprehensive guide to frontend web app testing you ll develop a solid understanding of the advanced features that lead testing frameworks offer and the pillars of a successful web app testing strategy with this book you ll be able to devise a suitable testing strategy using both code coverage and test coverage measurements

GitHub Actions Cookbook 2024-04-30

authored by a microsoft regional director this book shows you how to leverage the power of the community driven github actions workflow platform to automate repetitive engineering tasks key features automate ci cd workflows and deploy securely to cloud providers like azure aws or gcp using openid create your own custom actions with docker javascript programming or shell scripts and share them with others discover ways to automate complex scenarios beyond the basic ones documented in github book descriptionsay goodbye to tedious tasks github actions is a powerful workflow engine that automates everything in the github ecosystem letting you focus on what matters most this book explains the github actions workflow syntax the different kinds of actions and how github hosted and self hosted workflow runners work you ll get tips on how to author and debug github actions and workflows with visual studio code vs code run them locally and leverage the power of github copilot the book uses hands on examples to walk you through real world use cases that will help you automate the entire release process you ll cover everything from automating the generation of release notes to building and testing your software and deploying securely to azure amazon services aws or google cloud using openid connect oidc secrets variables environments and approval checks the book goes beyond ci cd by demonstrating recipes to execute issueops and automate other repetitive tasks using the github cli github apis and sdks and github token you ll learn how to build your own actions and reusable workflows to share building blocks with the community or within your organization by the end of this github book you ll have gained the skills you need to automate tasks and work with remarkable efficiency and agility what you will learn author and debug github actions workflows with vs code and copilot run your workflows on github provided vms linux windows and macos or host your own runners in your infrastructure understand how to secure your workflows with github actions boost your productivity by automating workflows using github s powerful tools such as the cli apis sdks and access tokens deploy to any cloud and platform in a secure and reliable way with staged or ring based deployments who this book is for this book is for anyone looking for a practical approach to learning github actions regardless of their experience level whether you re a software developer a devops engineer anyone who has already experimented with actions or someone completely new to ci cd tools like jenkins or azure pipelines you ll find expert insights in this book basic knowledge of using git and command lines is a must

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