

Angularjs Directives Ebook Alex Vanston

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Google Hacks Packt Publishing Ltd Architect and design highly scalable, robust, clean, and highly performant applications in Python About This Book Identify design issues and make the necessary adjustments to achieve improved performance Understand practical architectural quality attributes from the perspective of a practicing engineer and architect using Python Gain knowledge of architectural principles and how they can be used to provide accountability and rationale for architectural decisions Who This Book Is For This book is for experienced Python developers who are aspiring to become the architects of enterprise-grade applications or software architects who would like to leverage Python to create effective blueprints of applications. What You Will Learn Build programs with the right architectural attributes Use Enterprise Architectural Patterns to solve scalable problems on the Web Understand design patterns from a Python perspective Optimize the performance testing tools in Python Deploy code in remote environments or on the Cloud using Python Secure architecture applications in Python In Detail This book starts off by explaining how Python fits into an application architecture. As you move along, you will understand the architecturally significant demands and how to determine them. Later, you'll get a complete understanding of the different architectural quality requirements that help an architect to build a product that satisfies business needs, such as maintainability/reusability, testability, scalability, performance, usability, and security. You will use various techniques such as incorporating DevOps, Continuous Integration, and more to make your application robust. You will understand when and when not to use object orientation in your applications. You will be able to think of the future and

design applications that can scale proportionally to the growing business. The focus is on building the business logic based on the business process documentation and which frameworks are to be used when. We also cover some important patterns that are to be taken into account while solving design problems as well as those in relatively new domains such as the Cloud. This book will help you understand the ins and outs of Python so that you can make those critical design decisions that not just live up to but also surpass the expectations of your clients. Style and approach Filled with examples and use cases, this guide takes a no-nonsense approach to help you with everything it takes to become a successful software architect.

Engineering Mathematics Packt Publishing Ltd
Security and Privacy in Communication NetworksSpringer Nature

Android Security Cookbook
SitePoint

Understand the internals and architecture of GraalVM with the help of hands-on experiments and gain deep knowledge that you can apply to improve your application's performance, interoperability, and throughput. Key FeaturesGenerate faster and leaner code with minimum computing resources for high performanceCompile Java applications faster than ever to a standalone executable called native imagesCreate high-performance polyglot applications that are compatible across various JVM and non-JVM languagesBook Description GraalVM is a universal virtual machine that allows programmers to compile and run applications written in both JVM and non-JVM languages. It improves the performance and efficiency of applications, making it an ideal companion for cloud-native or microservices-based applications. This book is a hands-on guide, with step-by-step instructions on how to work with GraalVM. Starting with a quick

introduction to the GraalVM architecture and how things work under the hood, you'll discover the performance benefits of running your Java applications on GraalVM. You'll then learn how to create native images and understand how AOT (ahead-of-time) can improve application performance significantly. The book covers examples of building polyglot applications that will help you explore the interoperability between languages running on the same VM. You'll also see how you can use the Truffle framework to implement any language of your choice to run optimally on GraalVM. By the end of this book, you'll not only have learned how GraalVM is beneficial in cloud-native and microservices development but also how to leverage its capabilities to create high-performing polyglot applications. What you will learnGain a solid understanding of GraalVM and how it works under the hoodWork with GraalVM's high performance optimizing compiler and see how it can be used in both JIT (just-in-time) and AOT (ahead-of-time) modesGet to grips with the various optimizations that GraalVM performs at runtimeUse advanced tools to analyze and diagnose performance issues in the codeCompile, embed, run, and interoperate between languages using Truffle on GraalVMBuild optimum microservices using popular frameworks such as Micronaut and Quarkus to create cloud-native applicationsWho this book is for This book is for JVM developers looking to optimize their application's performance. You'll also find this book useful if you're a JVM developer looking to explore options to develop polyglot applications using tools from the Python, R, Ruby, or Node.js ecosystem. A solid understanding of software development concepts and

prior experience working with programming languages is necessary to get started.

Mastering Python Springer Nature
The latest in modern Python recipes for the busy modern programmer
About This Book
Develop succinct, expressive programs in Python
Learn the best practices and common idioms through carefully explained and structured recipes
Discover new ways to apply Python for the new age of development
Who This Book Is For
The book is for web developers, programmers, enterprise programmers, engineers, big data scientist, and so on. If you are a beginner, **Python Cookbook** will get you started. If you are experienced, it will expand your knowledge base. A basic knowledge of programming would help.
What You Will Learn
See the intricate details of the Python syntax and how to use it to your advantage
Improve your code readability through functions in Python
Manipulate data effectively using built-in data structures
Get acquainted with advanced programming techniques in Python
Equip yourself with functional and statistical programming features
Write proper tests to be sure a program works as advertised
Integrate application software using Python
In Detail
Python is the preferred choice of developers, engineers, data scientists, and hobbyists everywhere. It is a great scripting language that can power your applications and provide great speed, safety, and scalability. By exposing Python as a series of simple recipes, you can gain insight into specific language features in a particular context. Having a tangible context helps make the language or standard library feature easier to understand. This book comes with over 100 recipes on the latest version of Python. The recipes will benefit everyone ranging from beginner to an expert. The book is broken down into 13 chapters that build from simple language concepts to more complex applications of the language. The recipes will touch upon all the necessary Python concepts related to data structures, OOP, functional programming, as well as statistical programming. You will get acquainted with the nuances of Python syntax and how to effectively use the advantages that it offers. You will end the book equipped with the knowledge of testing, web services, and configuration and application integration tips and tricks. The recipes take a problem-solution approach to resolve issues commonly faced by Python programmers across the globe. You will be armed with the knowledge of creating applications with flexible logging, powerful configuration, and command-line options, automated unit tests, and good documentation.
Style and approach
This book takes a recipe-based approach, where each recipe addresses specific problems and issues. The recipes provide discussions and insights and an explanation of the problems.

Android Ui Design Simon and Schuster
The Book of Shen is the official guide to the Shen programming language. Listing over 400 pages, TBoS includes a complete exposition of Shen, covering recursion, list, string and vector handling, macros, packages, streams, higher-order functions and the u
Network Analysis using Wireshark Cookbook Penguin UK
A groundbreaking and comprehensive reference that's been a bestseller since 1970, this new edition provides a broad mathematical survey and covers a full range of topics from the very basic to the advanced. For the first time, a personal tutor CD-ROM is included.
Mastering JavaScript Design Patterns Grove/Atlantic, Inc.
Understand Gang of Four, architectural, functional, and reactive design patterns and how to implement them on modern Java platforms, such as Java 12 and beyond
Key Features
Learn OOP, functional, and reactive patterns for creating readable and maintainable code
Explore architectural patterns and practices for building scalable and reliable applications
Tackle all kinds of performance-related issues and streamline development using design patterns
Book Description
Java design patterns are reusable and proven solutions to software design problems. This book covers over 60 battle-tested design patterns used by developers to create functional, reusable, and flexible software.
Hands-On Design Patterns with Java starts with an introduction to the Unified Modeling Language (UML), and delves into class and object diagrams with the help of detailed examples. You'll study concepts and approaches to object-oriented programming (OOP) and OOP design patterns to build robust applications. As you advance, you'll explore the categories of GOF design patterns, such as behavioral, creational, and structural, that help you improve code readability and enable large-scale reuse of software. You ' ll also discover how to work effectively with microservices and serverless architectures by using cloud design patterns, each of which is thoroughly explained and accompanied by real-world programming solutions. By the end of the book, you ' ll be able to speed up your software development process using the right design patterns, and you ' ll be comfortable working on scalable and maintainable projects of any size. What you will learn
Understand the significance of design patterns for software engineering
Visualize software design with UML diagrams
Strengthen your understanding of OOP to create reusable software systems
Discover GOF design patterns to develop scalable applications
Examine programming challenges and the design patterns that solve them
Explore architectural patterns for microservices and cloud development
Who this book is for
If you are a developer who wants to learn how to write clear, concise, and effective code for building production-ready applications, this book is for you. Familiarity with the fundamentals of Java is assumed.
Responsive Web Design with AngularJS Packt Publishing Ltd
If you have a passion for technology and want to explore the world of Raspberry Pi, then this book provides you with all the tools and information

you are looking for. Although being familiar with basic programming concepts is useful, you can still learn a lot from this book as a wide variety of topics are covered.

Hands-On Design Patterns with Java The Stationery Office
Explore and master modern JavaScript techniques in order to build large-scale web applications
About This Book
Write powerful code with the high-level functions that JavaScript offers
Test and debug issues with JavaScript code using various modern mechanisms
Offers an expert's eye on the latest ES6 features and how these advanced tasks fit together in JavaScript as a whole
Who This Book Is For
This book is ideal for web developers who are looking to master modern JavaScript concepts and design principles. You should already have an intermediate level of JavaScript knowledge before starting this book.
What You Will Learn
Get a run through of the basic JavaScript language constructs
Get familiar with the Functions and Closures of JavaScript
Explore Regular Expressions in JavaScript
Code using the powerful object-oriented feature in JavaScript
Test and debug your code using JavaScript strategies
Master DOM manipulation, cross-browser strategies, and ES6
Understand the basic concurrency constructs in Javascript and best performance strategies
Learn to build scalable server application in JavaScript using Node.js
In Detail
JavaScript is a high-level, dynamic, untyped, lightweight, and interpreted programming language. Along with HTML and CSS, it is one of the three essential technologies of World Wide Web content production, and is an open source and cross-platform technology. The majority of websites employ JavaScript, and it is well supported by all modern web browsers without plugins. However, the JavaScript landscape has changed dramatically in recent years, and you need to adapt to the new world of JavaScript that people now expect. Mastering modern JavaScript techniques and the toolchain are essential to develop web-scale applications. Mastering JavaScript will be your companion as you master JavaScript and build innovative web applications. To begin with, you will get familiarized with the language constructs and how to make code easy to organize. You will gain a concrete understanding of variable scoping, loops, and best practices on using types and data structures, as well as the coding style and recommended code organization patterns in JavaScript. The book will also teach you how to use arrays and objects as data structures. You will graduate from intermediate-level skills to advanced techniques as you come to understand crucial language concepts and design principles. You will learn about modern libraries and tools so you can write better code. By the end of the book, you will understand how reactive JavaScript is going to be the new paradigm.
Style and approach
This is a comprehensive guide with a clear focus on practical use cases and patterns. Each chapter consists of best practices, useful advice, and a bunch of easy-to-follow

examples that will build up your skills as you advance through the book.

The House of Morgan Packt Publishing Ltd
Unleash the power of Python 3 objects About This Book Stop writing scripts and start architecting programs Learn the latest Python syntax and libraries A practical, hands-on tutorial that teaches you all about abstract design patterns and how to implement them in Python 3 Who This Book Is For If you're new to object-oriented programming techniques, or if you have basic Python skills and wish to learn in depth how and when to correctly apply object-oriented programming in Python to design software, this is the book for you. What You Will Learn Implement objects in Python by creating classes and defining methods Separate related objects into a taxonomy of classes and describe the properties and behaviors of those objects via the class interface Extend class functionality using inheritance Understand when to use object-oriented features, and more importantly when not to use them Discover what design patterns are and why they are different in Python Uncover the simplicity of unit testing and why it's so important in Python Grasp common concurrency techniques and pitfalls in Python 3 Exploit object-oriented programming in key Python technologies such as Kivy and Django. Object-oriented programming concurrently with asyncio In Detail Python 3 is more versatile and easier to use than ever. It runs on all major platforms in a huge array of use cases. Coding in Python minimizes development time and increases productivity in comparison to other languages. Clean, maintainable code is easy to both read and write using Python's clear, concise syntax. Object-oriented programming is a popular design paradigm in which data and behaviors are encapsulated in such a way that they can be manipulated together. Many modern programming languages utilize the powerful concepts behind object-oriented programming and Python is no exception. Starting with a detailed analysis of object-oriented analysis and design, you will use the Python programming language to clearly grasp key concepts from the object-oriented paradigm. This book fully explains classes, data encapsulation, inheritance, polymorphism, abstraction, and exceptions with an emphasis on when you can use each principle to develop well-designed software. You'll get an in-depth analysis of many common object-oriented design patterns that are more suitable to Python's unique style. This book will not just teach Python syntax, but will also build your confidence in how to program. You will also learn how to create

maintainable applications by studying higher level design patterns. Following this, you'll learn the complexities of string and file manipulation, and how Python distinguishes between binary and textual data. Not one, but two very powerful automated testing systems will be introduced in the book. After you discover the joy of unit testing and just how easy it can be, you'll study higher level libraries such as database connectors and GUI toolkits and learn how they uniquely apply object-oriented principles. You'll learn how these principles will allow you to make greater use of key members of the Python eco-system such as Django and Kivy. This new edition includes all the topics that made Python 3 Object-oriented Programming an instant Packt classic. It's also packed with updated content to reflect recent changes in the core Python library and covers modern third-party packages that were not available on the Python 3 platform when the book was first published. Style and approach Throughout the book you will learn key object-oriented programming techniques demonstrated by comprehensive case studies in the context of a larger project.

Modern Python Cookbook "O'Reilly Media, Inc."

Jay Sekulow—one of America's most influential attorneys—explores a post Obama landscape where bureaucracy has taken over our government and provides a practical roadmap to help take back our personal liberties. Jay Sekulow is on a mission to defend Americans' freedom. The fact is that freedom is under attack like never before. The threat comes from the fourth branch of government—the biggest branch—and the only branch not in the Constitution: the federal bureaucracy. The bureaucracy imposes thousands of new laws every year, without a single vote from Congress. The bureaucracy violates the rights of Americans without accountability—persecuting adoptive parents, denying veterans quality healthcare, discriminating against conservatives and Christians for partisan purposes, and damaging our economy with job-killing rules. Americans are bullied by the very institutions established to protect their right to life, liberty, and the pursuit of happiness. Our nation's bureaucrats are on an undemocratic power trip. But Sekulow has a plan to fight back. We can resist illegal abuse, we can reform a broken system, and we can restore American democracy. This book won't just tell you how to win, it will show you real victories achieved by Sekulow and the American Center for Law and Justice. Unless we can roll back the fourth branch of government—the most dangerous branch—our elections will no longer matter. Undemocratic is a wake-up call, a call made at just the right time—before it's too late to save the democracy we love.

[Hands-On Exploratory Data Analysis with Python](#) Packt Publishing Ltd

Plan, design, and build engaging user interfaces for your Android applications About This Book*Take an initial idea for an Android app and develop it into a detailed plan, supported by sketches and wireframes*Provide a better experience for your users by following best practices and the new material design principles*Work more efficiently and save time by testing your ideas at an early stage by building a prototype Who This Book Is For If you are a Java developer with a keen interest in building stunning UIs for your applications in order to retain customers and create great experiences for them, then this book is for you. A good knowledge level of HTML, CSS, and some grounding in Android Development is assumed. What You Will Learn*Develop a user interface that adheres to all the core material design principles*Transform your initial app idea into a concrete and detailed plan*Add Views, ViewGroups, layouts, and common UI components to your own Android projects*Use fragments and various strategies to gather user input*Create a new Android Studio project and develop it into a prototype*Identify and solve problems with your app's UI to deliver a better user experience In Detail Great design is one of the key drivers in the adoption of new applications, yet unfortunately design considerations are often neglected in the face of "will it work," "can we make it quicker," or "can we get more people using it"? This book seeks to redress this balance by showing you how to get your PM to start treating the design phase of your project seriously. This book is focused entirely on the development of UI features, and you'll be able to practically implementing the design practices that we extol throughout the book. Starting by briefly outlining some of the factors you need to keep in mind when building a UI, you'll learn the concepts of Android User Interface from scratch. We then move on to formulate a plan on how to implement these concepts in various applications. We will deep dive into how UI features are implemented in real-world applications where UIs are complex and dynamic. This book offers near complete coverage of UI-specific content including, views, fragments, the wireframing process, and how to add in splash screens—everything you need to make professional standard UIs for modern applications. It will then cover material design and show you how to implement Google's design aesthetic in a practical manner. Finally, it ensures the best possible user experience by analyzing the UI using various tools, and then addressing any problems they uncover. By the end of the book, you'll be able to leverage the concepts of Android User Interface in your applications in order to attract new customers.

Android Programming for Beginners Packt Publishing Ltd
Boost your organization's growth by incorporating networking in the DevOps culture About This Book Implement networking fundamentals to the DevOps

culture with ease, improving your organization's stability Leverage various open source tools such as Puppet and Ansible in order to automate your network This step-by-step learning guide collaborating the functions of developers and network administrators Who This Book Is For The book is aimed for Network Engineers, Developers, IT operations and System admins who are planning to incorporate Networking in DevOps culture and have no knowledge about it. What You Will Learn Learn about public and private cloud networking using AWS and OpenStack as examples Explore strategies that can be used by engineers or managers to initiate the cultural changes required to enable the automation of network functions Learn about SDN and how an API-driven approach to networking can help solve common networking problems Get the hang of configuration management tools, such as Ansible and Jenkins, that can be used to orchestrate and configure network devices Setup continuous integration, delivery, and deployment pipelines for network functions Create test environments for network changes Understand how load balancing is becoming more software defined with the emergence of microservice applications In Detail Frustrated that your company's network changes are still a manual set of activities that slow developers down? It doesn't need to be that way any longer, as this book will help your company and network teams embrace DevOps and continuous delivery approaches, enabling them to automate all network functions. This book aims to show readers network automation processes they could implement in their organizations. It will teach you the fundamentals of DevOps in networking and how to improve DevOps processes and workflows by providing automation in your network. You will be exposed to various networking strategies that are stopping your organization from scaling new projects quickly. You will see how SDN and APIs are influencing DevOps transformations, which will in turn help you improve the scalability and efficiency of your organizations networks operations. You will also find out how to leverage various configuration management tools such as Ansible, to automate your network. The book will also look at containers and the impact they are having on networking as well as looking at how automation impacts network security in a software-defined network. Style and approach This will be a comprehensive, learning guide for teaching our readers how networking can be leveraged to improve the DevOps culture for any organization.

Software Architecture with Python Fullstack IO

Drawn from teachings of more than a hundred sages from three continents, Thinkers of the East is a book of enormous breadth and depth, the impact and vitality of which is characteristic of the Sufi emphasis on experience rather than theory.

AngularJS in Action Packt Publishing Ltd Published to critical acclaim twenty years ago, and now considered a classic, The House of Morgan is the most ambitious history ever written about American finance. It is a rich, panoramic story of four generations of Morgans and the powerful, secretive firms they spawned, ones that would transform the modern financial world. Tracing the trajectory of J. P. Morgan 's empire from its obscure beginnings in Victorian London to the financial crisis of 1987, acclaimed author Ron Chernow paints a fascinating portrait of the family 's private saga and the rarefied world of the American and British elite in which they moved—a world that included Charles Lindbergh, Henry Ford, Franklin Roosevelt, Nancy Astor, and Winston Churchill. A masterpiece of financial history—it was awarded the 1990 National Book Award for Nonfiction and selected by the Modern Library as one of the 100 Best Nonfiction Books of the Twentieth Century—The House of Morgan is a compelling account of a remarkable institution and the men who ran it, and an essential book for understanding the money and power behind the major historical events of the last 150 years.

Practical DevOps Packt Publishing Ltd Annotation Sandeep Panda's 'AngularJS' is your fast-track route to mastering the superheroic JavaScript framework. In this practical and fun-to-read book, you'll learn the fundamentals of AngularJS, such as scopes, modules and controllers. You'll then move on to more sophisticated techniques, including using directives, filters and expressions to build a full single page web application.

Practical Internet of Things Security Simon and Schuster

Create scalable, reusable high-quality JavaScript applications and libraries Practical Data Science Cookbook Packt Publishing Ltd

Android Security Cookbook' breaks down and enumerates the processes used to exploit and remediate Android app security vulnerabilities in the form of detailed recipes and walkthroughs. Android Security Cookbook is aimed at anyone who is curious about Android app security and wants to be able to take the necessary practical measures to protect themselves; this means that Android application developers, security researchers and analysts, penetration testers, and generally any CIO, CTO, or IT managers

facing the impending onslaught of mobile devices in the business environment will benefit from reading this book.

Security and Privacy in Communication Networks Packt Publishing Ltd

The 2010 mega-scams created a crisis of trust in governance and the leadership. Seeking solutions, N. Vittal analyses the record of the institutions involved and traces the roots of the growing rot to the decline of accountability in public life, the lack overall of transparency in governance, besides general greed and decline in integrity. As a prominent insider in government for over four decades, he believes that greater transparency and use of technology and ensuring there is no alternative can reform our system. The curb on use of money power in state elections and the 2010 landmark judgement in the case of P.J. Thomas 's appointment as Central Vigilance Commissioner are such steps. Through greater application of Right to Information, strengthening of watchdog bodies like the judiciary or the Central Election Commission, and choosing people of integrity and commitment to man them, besides an alert civil society and media, Vittal is optimistic of achieving a clean India.

Springer

Harness the power of DevOps to boost your skill set and make your IT organization perform better About This Book Get to know the background of DevOps so you understand the collaboration between different aspects of an IT organization and a software developer Improve your organization's performance to ensure smooth production of software and services Deploy top-quality software and ensure software maintenance and release management with this practical guide Who This Book Is For This book is aimed at developers and system administrators who wish to take on larger responsibilities and understand how the infrastructure that builds today's enterprises works. This book is also great for operations personnel who would like to better support developers. You do not need to have any previous knowledge of DevOps. What You Will Learn Appreciate the merits of DevOps and continuous delivery and see how DevOps supports the agile process Understand how all the systems fit together to form a larger whole Set up and familiarize yourself with all the tools you need to be efficient with DevOps Design an application that is suitable for continuous deployment systems with Devops in mind Store and manage your code effectively using different options such as Git, Gerrit, and Gitlab Configure a job to build a sample CRUD application Test the code using automated regression testing with Jenkins Selenium Deploy your code using tools such as Puppet, Ansible, Palletops, Chef, and Vagrant Monitor the health of your code with Nagios, Munin, and Graphite Explore the workings of Trac—a tool used for issue tracking In

Detail DevOps is a practical field that focuses on delivering business value as efficiently as possible. DevOps encompasses all the flows from code through testing environments to production environments. It stresses the cooperation between different roles, and how they can work together more closely, as the roots of the word imply—Development and Operations. After a quick refresher to DevOps and continuous delivery, we quickly move on to looking at how DevOps affects architecture. You'll create a sample enterprise Java application that you'll continue to work with through the remaining chapters. Following this, we explore various code storage and build server options. You will then learn how to perform code testing with a few tools and deploy your test successfully. Next, you will learn how to monitor code for any anomalies and make sure it's running properly. Finally, you will discover how to handle logs and keep track of the issues that affect processes.

Style and approach This book is primarily a technical guide to DevOps with practical examples suitable for people who like to learn by implementing concrete working code. It starts out with background information and gradually delves deeper into technical subjects.