



Community Edition

Swift High Performance

Leverage Swift and enhance your code to take your applications to the next level!

Kostianlyn Koval

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Swift High Performance

Kostiantyn Koval

Swift High Performance:

Full Stack iOS Development with Swift and Vapor Hem Dutt, 2024-09-03 This comprehensive book combines the strengths of Swift the Vapor framework and iOS development to create dynamic full stack applications Perfect for aspiring developers students and seasoned iOS professionals this book equips you with the skills needed to master both server side and client side development Key topics include understanding the fundamentals and history of full stack development and the concept of a minimum viable product installing and configuring essential tools and SDKs for Vapor and iOS development mastering data persistence by integrating PostgreSQL with the Vapor framework and implementing data storage solutions in iOS apps using Core Data and SQLite Companion files sample code and figures are available for downloading by writing to the publisher FEATURES Includes real world projects and exercises to apply your newly acquired skills in practical scenarios Emphasizes best practices security considerations and performance optimization techniques Features comprehensive exploration of both backend and frontend development Companion files sample code and figures are available for downloading by writing to the publisher **Swift High Performance** Kostiantyn Koval, 2015-11-06 Leverage Swift and enhance your code to take your applications to the next level About This Book Build solid high performance applications in Swift Increase your efficiency by getting to grips with concurrency and parallel programming Use Swift to design performance oriented solutions Who This Book Is For This book is aimed at experienced Swift developers wanting to optimize their programs on Apple platforms to optimize application performance What You Will Learn Build solid stable and reliable applications using Swift Use REPL and PL to manage and configure relational databases Explore Swift's features including its static type system value objects and functional programming Design reusable code for high performance in Swift Use to Xcode LLBD and REPL to debug commands Avoid sharing resources by using concurrency and parallel programming Understand the lazy loading pattern lazy sequences and lazy evolution In Detail Swift is one of the most popular and powerful programming languages for building iOS and Mac OS applications and continues to evolve with new features and capabilities Swift is considered a replacement to Objective C and has performance advantages over Objective C and Python Swift adopts safe programming patterns and adds modern features to make programming easier more flexible and more fun Develop Swift and discover best practices that allow you to build solid applications and optimize their performance First a few of performance characteristics of Swift will be explained You will implement new tools available in Swift including Playgrounds and REPL These will improve your code efficiency enable you to analyse Swift code and enhance performance Next the importance of building solid applications using multithreading concurrency and multi core device architecture is covered before moving on to best practices and techniques that you should utilize when building high performance applications such as concurrency and lazy loading Finally you will explore the underlying structure of Swift further and learn how to disassemble and compile Swift code Style and approach This is a comprehensive guide to enhancing Swift programming

techniques and methodology to enable faster application development **Leading High-Performance Teams For Dummies** Shirley Davis,2025-12-19 The definitive and accessible guide to building and leading high performance teams In **Leading High Performance Teams For Dummies** talent and leadership expert Dr Shirley Davis demonstrates how to unlock your team's full potential at work The book offers a science based deep dive into high performing teams covering everything from becoming a purpose driven leader to creating a work culture in which you and your people can thrive both individually and as a team You'll learn about the latest workplace research trends and strategies you need to understand to address the most common challenges that leaders and companies face from motivating remote workers to competing for the best talent in a dynamic labor market Inside the book Effective ways to navigate the distinct stages of team development Ways to show up as an emotionally intelligent leader and help your team members develop emotional intelligence Techniques to recognize and reward individual achievement while maintaining a focus on the team's collective goals Drawing on the author's 30 years of real world business experience **Leading High Performance Teams For Dummies** is an invaluable resource for emerging and experienced leaders supervisors human resources professionals entrepreneurs founders and students of management business or team dynamics

Advances in Embedded and Fan-Out Wafer Level Packaging Technologies Beth Keser,Steffen Kröhnert,2019-02-12 Examines the advantages of Embedded and FO WLP technologies potential application spaces package structures available in the industry process flows and material challenges Embedded and fan out wafer level packaging FO WLP technologies have been developed across the industry over the past 15 years and have been in high volume manufacturing for nearly a decade This book covers the advances that have been made in this new packaging technology and discusses the many benefits it provides to the electronic packaging industry and supply chain It provides a compact overview of the major types of technologies offered in this field on what is available how it is processed what is driving its development and the pros and cons Filled with contributions from some of the field's leading experts **Advances in Embedded and Fan Out Wafer Level Packaging Technologies** begins with a look at the history of the technology It then goes on to examine the biggest technology and marketing trends Other sections are dedicated to chip first FO WLP chip last FO WLP embedded die packaging materials challenges equipment challenges and resulting technology fusions Discusses specific company standards and their development results Content relates to practice as well as to contemporary and future challenges in electronics system integration and packaging **Advances in Embedded and Fan Out Wafer Level Packaging Technologies** will appeal to microelectronic packaging engineers managers and decision makers working in OEMs IDMs IFMs OSATs silicon foundries materials suppliers equipment suppliers and CAD tool suppliers It is also an excellent book for professors and graduate students working in microelectronic packaging research

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