

Java 8 In Action Lambdas Streams And Functional Style Programming

Mastering Java Streams and Functional Programming: Unlock the Secrets of Expert-Level Skills
Grokking Functional Programming
F# Language and Functional Programming Techniques
The IT4ITTM Standard, Version 3.0
StreamNative Function Mesh in Production Environments
Building Large-Scale Web Applications with Angular
Big Data Processing Using Spark in Cloud
Java Streams and Lambdas
Beaverhead-Deerlodge National Forest (N.F.), Keystone-Quartz Ecosystem Management, Wise River Ranger District
Hydraulic Manual Consisting of Working Tables and Explanatory Text
Intended as a Guide in Hydraulic Calculations and Field Operations
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Representation of Certain Stream Functions of Subsonic Compressible Fluid Flow
Lectures to the Working Classes
The Teachers' storehouse and treasury of material for working Sunday-school teachers
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mastering java streams and functional programming unlock the secrets of expert level skills is an essential resource for seasoned java developers aiming to propel their expertise to new heights this meticulously crafted book ventures beyond basic tutorials offering a deep dive into the intricacies of java streams and functional programming each chapter is thoughtfully designed to explore advanced techniques and principles ensuring not only an understanding of the concepts but also empowering developers to implement sophisticated efficient data processing tasks with confidence through an exploration of core and advanced operations functional interfaces and performance optimization using parallel streams readers will discover how to harness the full potential of functional constructs in java the book addresses practical challenges such as exception handling interoperability between streams and collections and testing and debugging functional code with a focus on real world applicability it provides detailed strategies best practices and hands on examples to solidify understanding and application in diverse development scenarios tested across a spectrum of applications mastering java streams and functional programming equips developers with the skills necessary to implement modern java solutions that are both performance focused and elegantly designed by bridging the gap between theory and practice this book serves as a definitive guide for those aspiring to master the nuances of java s robust functional programming capabilities paving the way for mastery and innovation in the dynamic field of java development

there s no need to fear going functional this friendly lively and engaging guide is perfect for any perplexed programmer it lays out the principles of functional programming in a simple and concise way that will help you grok what fp is really all about in grokking functional programming you will learn designing with functions and types instead of objects programming with pure functions and immutable values writing concurrent programs using the functional style testing functional programs multiple learning approaches to help you grok each new concept if you ve ever found yourself rolling your eyes at functional programming this is the book for you open up grokking functional programming and you ll find functional ideas mapped onto what you already know as an object oriented programmer the book focuses on practical aspects from page one hands on examples apply functional principles to everyday programming tasks like concurrency error handling and improving readability plus puzzles and exercises let you think and practice what you re learning you ll soon reach an amazing aha moment and start seeing code in a completely new way about the technology finally there s an easy way to learn functional programming this unique book starts with the familiar ideas of oop and introduces fp step by step using relevant examples engaging exercises and lots of illustrations you ll be amazed at how quickly you ll start seeing software tasks from this valuable new perspective about the book grokking functional programming introduces functional programming to imperative developers you ll start with small comfortable coding tasks that expose basic concepts like writing pure functions and working with immutable data along the way

you'll learn how to write code that eliminates common bugs caused by complex distributed state you'll also explore the fp approach to io concurrency and data streaming by the time you finish you'll be writing clean functional code that's easy to understand test and maintain what's inside designing with functions and types instead of objects programming with pure functions and immutable values writing concurrent programs using the functional style testing functional programs about the reader for developers who know an object oriented language examples in java and scala about the author michal plachta is an experienced software developer who regularly speaks and writes about creating maintainable applications table of contents part 1 the functional toolkit 1 learning functional programming 2 pure functions 3 immutable values 4 functions as values part 2 functional programs 5 sequential programs 6 error handling 7 requirements as types 8 io as values 9 streams as values 10 concurrent programs part 3 applied functional programming 11 designing functional programs 12 testing functional programs

f language and functional programming techniques explore the strengths and elegance of modern functional programming with f language and functional programming techniques this comprehensive book guides readers through the landscape of f within the powerful net ecosystem starting from its historical roots and unique role in contemporary software development by addressing practical setup advanced project management and in depth performance profiling the text equips both newcomers and seasoned developers to harness f's full capabilities in building robust and performant applications delving into the heart of functional programming the book offers a deep exploration of f's type system including sophisticated features such as discriminated unions records and type providers for seamless data integration readers will master foundational and advanced concepts immutability higher order functions lazy evaluation pattern matching and sophisticated error handling specialized chapters illuminate advanced techniques in concurrency computation expressions and metaprogramming enabling creation of scalable composable and safe solutions beyond language features the narrative expands to architectural design functional patterns and integration with net and other languages such as python and r making it an indispensable resource for analytical scientific and distributed applications insights into ecosystem tooling testing open source engagement and the future of f ensure that readers will not only build expertise in the language but also contribute effectively to the next generation of functional software engineering

this publication is the specification of the open group it4it standard version 3.0 a standard of the open group it describes a reference architecture that can be used to manage the business of information technology it and the associated end to end lifecycle management of digital products it is intended to provide a prescriptive target architecture and clear guidance for the transformation of existing technology management practices for a faster scalable automated and practical approach to deploying product based investment models and providing an unprecedented level of operational control and measurable value this foundational it4it reference architecture is independent of specific technologies vendors organization structures process models and methodologies it can be mapped to any existing technology landscape it is flexible enough to accommodate the

continuing evolution of operational and management paradigms for technology it addresses every digital product lifecycle phase from investment decision making to end of life the it4it standard addresses a critical gap in the digital transformation toolkit the need for a unifying architectural model that describes and connects the capabilities value streams functions and operational data needed to manage a digital product portfolio at scale the it4it standard provides an approach to making digital investment decisions and managing digital outcomes that is particularly useful for c level executives responsible for digital transformation as a top down view of digital value creation product managers and product marketing managers whose portfolios include significant digital content as a way to integrate marketing priorities with product delivery practices governance risk and compliance practitioners as a guide to controlling a modern digital landscape enterprise and it architects as a template for it tool rationalization and for governing end to end technology management architectures technology buyers as the basis for requests for information rfis and requests for proposals rfps and as a template for evaluating product completeness consultants and assessors as a guide for evaluating current practice against a well defined standard technology vendors as a guide for product design and customer integrations technical support staff as a guide for automating and scaling up support services to deal with modern technology deployment velocity

streamnative function mesh in production environments streamnative function mesh in production environments offers a comprehensive guide to mastering event driven cloud native workflows using function mesh atop apache pulsar through a methodical exploration of principles architecture and the unique abstractions underpinning function mesh the book delivers clarity on its tight integration with pulsar and the evolution from traditional to mesh based deployment paradigms readers will find detailed explanations on controller internals supported runtimes and a taxonomy of use cases enabling both foundational understanding and the ability to address advanced production scenarios designed for practitioners overseeing enterprise scale deployments the book covers every facet of running function mesh in modern kubernetes environments topics span environment preparation multi cloud and edge deployment topologies automation through helm and kubernetes operators lifecycle management and high availability strategies special attention is given to production grade best practices including resource isolation observability monitoring tracing and robust disaster recovery enabling organizations to build resilient well governed and secure event driven computing platforms further chapters provide hands on approaches to composing complex workflows implementing devops automation and driving performance at scale rich real world case studies from financial fraud detection to large scale iot data processing offer invaluable insight into common pitfalls lessons learned and anti patterns observed in the field the book concludes with a look to the future emerging features open source community engagement and guidance for long term operational excellence whether you are architecting your first mesh based pipeline or maturing your enterprise event processing this reference equips you to confidently run streamnative function mesh in production

a definitive guide on frontend development with angular from design to deployment key featuresdevelop web applications from scratch using

angular and typescript explore reactive programming principles and rxjs to develop and test apps easily study continuous integration and deployment on the aws cloud book description if you have been burnt by unreliable javascript frameworks before you will be amazed by the maturity of the angular platform angular enables you to build fast efficient and real world web apps in this learning path you will learn angular and to deliver high quality and production grade angular apps from design to deployment you will begin by creating a simple fitness app using the building blocks of angular and make your final app personal trainer by morphing the workout app into a full fledged personal workout builder and runner with an advanced directive building the most fundamental and powerful feature of angular you will learn the different ways of architecting angular applications using rxjs and some of the patterns that are involved in it later you will be introduced to the router first architecture a seven step approach to designing and developing mid to large line of business apps along with popular recipes by the end of this book you will be familiar with the scope of web development using angular swagger and docker learning patterns and practices to be successful as an individual developer on the web or as a team in the enterprise this learning path includes content from the following packt products angular 6 by example by chander mani arora kevin hennessy architecting angular applications with redux rxjs and ngrx by christoffer norin angular 6 for enterprise ready applications by dogu han uluca what you will learn develop web applications from scratch using angular and typescript explore reactive programming principles rxjs to develop and test apps efficiently study continuous integration and deployment your angular app on the aws cloud who this book is for if you are a javascript or frontend developer looking to gain comprehensive experience of using angular for end to end enterprise ready applications this learning path is for you

the book describes the emergence of big data technologies and the role of spark in the entire big data stack it compares spark and hadoop and identifies the shortcomings of hadoop that have been overcome by spark the book mainly focuses on the in depth architecture of spark and our understanding of spark rdds and how rdd complements big data's immutable nature and solves it with lazy evaluation cacheable and type inference it also addresses advanced topics in spark starting with the basics of scala and the core spark framework and exploring spark data frames machine learning using mllib graph analytics using graph x and real time processing with apache kafka aws kinesis and azure event hub it then goes on to investigate spark using pyspark and r focusing on the current big data stack the book examines the interaction with current big data tools with spark being the core processing layer for all types of data the book is intended for data engineers and scientists working on massive datasets and big data technologies in the cloud in addition to industry professionals it is helpful for aspiring data processing professionals and students working in big data processing and cloud computing environments

unlock the full power of modern java with java streams and lambdas functional programming techniques in java the ultimate guide to writing cleaner faster and more expressive code this best selling book dives deep into java's functional programming features showing you how to harness

streams lambdas method references and functional interfaces to simplify complex logic eliminate boilerplate and boost performance through hands on examples and real world use cases you ll master core concepts like stream pipelines filtering and mapping collections lazy evaluation collectors parallel processing and functional composition whether you re building data driven applications or modernizing legacy code this book equips you with the tools and patterns to write elegant maintainable and scalable java perfect for experienced developers and java enthusiasts looking to take their coding style to the next level java streams and lambdas is your roadmap to functional thinking in the java ecosystem embrace a new paradigm and code smarter with every line

learn how to transition to functional style programming using the new language features in java 9 including lambdas and the streams framework

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