Ebook free Programming erlang joe armstrong (Read Only)

erlang □□□□ □□ □□□□□□□□□□□□□□□□□□□□□□□□□□□□ □□ □ □□ □erlang□□□□□□□□□□□□□□□□□ □□□□erlang□□□□□□□□□□□ □□□ a multi user game web site cloud application or networked database can have thousands of users all interacting at the same time you need a powerful industrial strength tool to handle the really hard problems inherent in parallel concurrent environments you need erlang in this second edition of the bestselling programming erlang you ll learn how to write parallel programs that scale effortlessly on multicore systems using erlang you ll be surprised at how easy it becomes to deal with parallel problems and how much faster and more efficiently your programs run that s because erlang uses sets of parallel processes not a single sequential process as found in most programming languages joe armstrong creator of erlang introduces this powerful language in small steps giving you a complete overview of erlang and how to use it in common scenarios you ll start with sequential programming move to parallel programming and handling errors in parallel programs and learn to work confidently with distributed programming and the standard erlang open telecom platform otp frameworks you need no previous knowledge of functional or parallel programming the chapters are packed with hands on real world tutorial examples and insider tips and advice and finish with exercises for both beginning and advanced users the second edition has been extensively rewritten new to this edition are seven chapters covering the latest erlang features maps the type system and the dialyzer websockets programming idioms and a new stand alone execution environment you ll write programs that dynamically detect and correct errors and that can be upgraded without stopping the system there s also coverage of rebar the de facto erlang build system and information on how to share and use erlang projects on github illustrated with examples from cowboy and bitcask erlang will change your view of the world and of how you program what you need the erlang otp system download it from erlang org erlangの威力を最大限発揮させるための知識 複数のプログラミング言語とパラダイムを使いこなせれば プログラマとしての幅が広がります 本書は 1週間で1つの新しい言語を学ぶ seven languages in seven weeks を rubyの作者まつもとゆきひろ氏の監訳で発行するものです 言語の特徴を映画の登場人物になぞらえて ruby io prolog scala erlang clojure haskellという個性的な7つの言語を紹介 各言語の特性とそこにあるプログラミングパラダイムを 体験を通してものにしましょう this book is an inleadership introduction to erlang a programming language ideal for any situation where concurrency fault tolerance and fast response is essential erlang is gaining widespread adoption with the advent of multi core processors and their new scalable approach to concurrency with this guide you ll learn how to write complex concurrent programs in erlang regardless of your programming background or experience written by leaders of the international erlang community and based on their training material erlang programming focuses on the language s syntax and semantics and explains pattern matching proper lists recursion debugging networking and concurrency this book helps you understand the strengths of erlang and why its designers included specific features learn the concepts behind concurrency and erlang s way of handling it write efficient erlang programs while keeping code neat and readable discover how erlang fills the requirements for distributed systems add simple graphical user interfaces with little effort learn erlang s tracing mechanisms for debugging concurrent and distributed systems use the built in mnesia database and other table storage features erlang programming provides exercises at the end of each chapter and simple examples throughout the book □□□□□□□□□elixir□□□ elixir □□□□□ □ □□□□□□□□□□□□□□□□□□□erlang□vm □□□□□□ □□ □□□ erlang□□□□□□□□□□□□□□□□□□□□□□□□□□□ □□□ ruby

やelixirの伝道師として そして 達人プログラマー として知られるdave thomas 氏による プログラミング言語elixirの定番解説書 programming elixir 1 6 pragmatic bookshelf 2018 の日本語訳です 基本的なプログラミングから 並行処理 さらなる応用へと順を追って進む構成になっています 本書を読むことで elixirらしいプログラミングを学ぶことができます 第2版では 内容が大幅にアップデートされ elixir 1 6以降に対応しただけではなく 開発ツールの利用を含めたアプリケーション開発の実際についての解説が より充実したものになっています またこの日本語版第2版には elixir 1 6以降の周辺事情や 開発現場で知っておきたい情報をまとめた補遺が追加されています このような方におすすめ 向上心のあるプログラマ elixirに興味のある人 rubyユーザ erlangユーザ プログラミングを学んでいる学生 情報系の大学生 主要目次 elixir作者による前書き はじめに 正当化のむなしい試み 再び 第1章 赤いカプセルをとれ 第 i 部 伝統的なプログラミング 第2章 パターンマッチ 第3章 不変性 第4章 elixirの基礎 第5章 無名関数 第6章 モジュールと名前付き関数 第7章 リストと再帰 第8章 マップ キーワードリスト セット 構造体 第9章 寄り道 型とは何か 第10章 コレクションの処理 enumとstream 第11章 文字列とバイナリ 第12章 制御フロー 第13章 プロジェクトを構成する 第14章 ツールの利用 第 ii 部 並行プログラミング 第15章 複数のプロセスを使う 第16章 ノード 分散システムの要 第17章 otp サーバ 第18章 otp スーパーバイザ 第19章 さらに複雑な例 第20章 otp アプリケーション 第21章 タスクとエージェント 第 iii 部 より高度なelixir 第22章 マクロとコードの評価 第23章 モジュールのリンク ビヘイビアとuse 第24章 プロトコル ポリモーフィック関数 第25章 かっこいい機能いろいろ 付録a 例外 rais try catch throw 付録b 型仕様と型チェック 付録c 参考文献 付録d elixir 1 6以降の状況と開発運用の実際 付録e 日本語版に寄せて why choose erlang for web applications discover the answer hands on by building a simple web service with this book if you re an experienced web developer who knows basic erlang you ll learn how to work with rest dynamic content web sockets and concurrency through several examples in the process you ll see first hand that erlang is ideal for building business critical services erlang was designed for fault tolerant non stop telecom systems and building applications with it requires a large set of skills by the end of the book you ll have the information you need to build a basic web service and get it running explore the power of erlang and rest for building web services serve static and dynamic content with the yaws web server use different methods for outputting data to user such as encoding erlang data structures into json or xml build an application to listen for http requests process them store data and return useful data go beyond the request response model push data to clients with web sockets use erlang and yaws to stream data from the server to a client a book which is truly needed and will help get erlang to the next level francesco cesarini ceo of erlang solutions author of erlang programming learn and understand erlang and elixir and develop a working knowledge of the concepts of functional programming that underpin them this book takes the author s experience of taking on a project that required functional programming and real time systems breaks it down and organizes it you will get the necessary knowledge about differences to the languages you know where to start and where to go next have you been told by your customer or manager that they heard good things about erlang you should use it for the next project never had to deal with functional programming or real time systems in 2014 the author wolfgang loder developed a repository for digital assets that had to deliver those assets in binary form quickly and reliably being able to deal with at least hundreds of requests per second since he could decide the architecture and software stack of the solution he immediately thought of erlang and its libraries and started to evaluate this option it was not long after that he discovered elixir which sits on top of the erlang virtual machine and has features more palatable for non functional programmers although it is a functional programming language itself erlang and elixir for imperative programmers gives you a basis for deciding whether the effort is viable for your next project this book is partly a tale of the author s own experience and partly a description of the bigger and more subtle differences between erlang elixir and languages such as c java and c what you ll learn discover functional programming erlang and elixir work on service design and service features set up your environment deployment development and production implement the service including public interface asset processing and deployment use the patterns and concepts found in erlang including type creation concepts and code structuring who this book is for experienced and savvy programmers coders and developers new to erlang and elixir diffusing software product and process innovations addresses the problems and issues surrounding successful diffusion of innovations in software everett rogers classic text diffusion of innovations provides a valuable framework for evaluating and applying technology transfer methods in today s new economy the most important innovations may well be new software products and processes topics covered in this valuable new book include implementation and coordination issues new interpretations of diffusion theory diffusion of software processes contextual factors communication of information experience reports this volume contains the edited proceedings of the fourth working conference on diffusing software product and process innovations which was sponsored by the international federation for information processing ifip working group 8 6 and held in banff canada in april 2001 it reflects the latest experiences of practitioners and theories of academics in this fast changing field if you need to build a scalable fault tolerant system with requirements for high availability discover why the erlang otp platform stands out for the breadth depth and consistency of its features this hand guide demonstrates how to use the erlang programming language and its otp framework of reusable libraries tools and design principles to develop complex commercial grade systems that simply cannot fail in the first part of the book you ll learn how to design and implement process behaviors and supervision trees with erlang otp and bundle them into standalone nodes the second part addresses reliability scalability and high availability in your overall system design if you re familiar with erlang this book will help you understand the design choices and trade offs necessary to keep your system running explore otp s building blocks the erlang language tools and libraries collection and its abstract principles and design rules dive into the fundamentals of otp reusable frameworks the erlang process structures otp uses for behaviors understand how otp behaviors support client server structures finite state machine patterns event handling and runtime code integration write your own behaviors and special processes use otp s tools techniques and architectures to handle deployment monitoring and operations □□□□□□□□□□□□□□□□□□□□ concurrent programming has become a required discipline for all programmers multi core processors and the increasing demand for maximum performance and scalability in mission critical applications have renewed interest in functional languages like erlang that are designed to handle concurrent programming erlang and the otp platform make it possible to deliver more robust applications that satisfy rigorous uptime and performance requirements erlang and otp in action teaches you to apply erlang s message passing model for concurrent programming a completely different way of tackling the problem of parallel programming from the more common multi threaded approach this book walks you through the practical considerations and steps of building systems in erlang and integrating them with real world c c java and net applications unlike other books on the market erlang and otp in action offers a comprehensive view of how concurrency relates to soa and web technologies this hands on guide is perfect for readers just learning erlang or for those who want to apply their theoretical knowledge of this powerful language you ll delve into the erlang language and otp runtime by building several progressively more interesting real world distributed applications once you are competent in the fundamentals of erlang the book takes you on a deep dive into the process of designing complex software systems in erlang purchase of the print book comes with an offer of a free pdf epub and kindle ebook from manning also available is all code from the book 本書には 改訂版が存在します プログラミングelixir 第2版 プログラミング言語elixirを学ぶ elixir エリクサー は 並行処理を得意とするプログラミング言語erlangのvm エンジン部分 を基盤とし erlangよりもなじみやすい文法を採用したプログラミング言語です 本書は 世界的なrubyプログラマであるdave thomas氏が書いた プログラミング言語elixirの本格的解説書 programming elixir 1 2 pragmatic bookshelf 2016 の日本語訳です 通常のプログラミングから 並行処理 さらなる応用へと順を追って進む構成になっています 本書を読むことで elixirらしいプログラミングを学ぶことができます このような方におすすめ向上心のあるプログラマ elixirに興味のある人 rubyユーザ erlangユーザ プログラミングを学んでいる学生 情報系の大学生主要目次第1章 赤いカプセルをとれ 第i部 伝統的なプログラミング 第2章 パターンマッチ 第3章 不変性 第4章 elixirの基礎 第5章 無名関数 第6章 モジュールと名前付き関数 第7章 リストと再帰 第8章 マップ キーワードリスト セット 構造体 第9章 寄り道 型とは何か 第10章 コレクションの処理 enum とstream 第11章 文字列とバイナリ 第12章 制御フロー 第13章 プロジェクトを構成する 第ii部 並行プログラミング 第14章 複数のプロセスを使う 第15章 ノード 分散システムの要 第16章 otp サーバ 第17章 otp スーパーバイザ 第18章 otp アプリケーション 第19章 タスクとエージェント 第iii部 より高度なelixir1 第20章 マクロとコードの評価 第21章 モジュールのリンク ビヘイビアとuse 第22章 プロトコル ポリモーフィック関数 第23章 かっこいい機能いろいろ 付録a 例外 raise try catch throw 付録b 型仕様と型チェック 付録c 参考文献 付録d 日本語版に寄せて 索引 本書は webの開発のプロが書き下ろしたの国内初のelixirプログラミングの解説書です 新しい言語に挑戦しようとする現役のプログラマだけでなく プログラミング自体の初心者にも門戸を開くべく 変数 や 整数 のような基本的な概念についてもできるかぎり丁寧に説明しています また 具体的なソースコードとその実行結果を数多く掲載しています 特に誤ったソースコードの例とそれを実行したときに出力される警告とエラーメッセージについて詳しく解説されており 初心者が戸惑い 学習意欲を損なわないようなに配慮されています 本書で扱ったサンプルコードは webサイトからダウンロード可能です 実行環境としてはdockerコンテナを利用し elixir 1 11に対応しています また 著者のサポートサイトでは 本書の内容に関する質問も受け付けています 本書はの主要なテーマは モジュール 関数 データ型 パターンマッチングなどです より複雑なテーマである構造体 ポリモーフィズム ビヘイビア メタプログラミング 並行プログラミングなどは 続編となる elixir実践ガイド アドバンスト編 で扱います 発行 インプレス leadership re new to erlang its functional style can seem difficult but with help from this hands on introduction you ll scale the learning curve and discover how enjoyable powerful and fun this language can be in this updated second edition author simon st laurent shows you how to write simple erlang programs by teaching you one skill at a time you ll learn about pattern matching recursion message passing process oriented programming and establishing pathways for data rather than telling it where to go by the end of your journey you ll understand why erlang is ideal for concurrency and resilience get cozy with erlang s shell its command line interface define functions using the fun tool to represent repeated calculations discover atoms pattern matching and guards the foundations of your program structure delve into the heart of erlang processing with recursion strings lists and higher order functions create processes send messages among them and apply pattern matching to incoming messages store and manipulate structured data with erlang term storage and the mnesia database learn about open telecom platform erlang s open source libraries and tools handbook of neuroevolution through erlang presents both the theory behind and the methodology of developing a neuroevolutionary based computational intelligence system using erlang with a foreword written by joe armstrong this handbook offers an extensive tutorial for creating a state of the art topology and weight evolving artificial neural network tweann platform in a step by step format the reader is guided from a single simulated neuron to a complete system by following these steps the reader will be able to use novel technology to build a tweann system which can be applied to artificial life simulation and forex trading because of erlang s architecture it perfectly matches that of evolutionary and neurocomptational systems as a programming language it is a concurrent message passing paradigm which allows the developers to make full use of the multi core multi cpu systems handbook of neuroevolution through erlang explains how to leverage erlang s features in the field of machine learning and the system s real world applications ranging from algorithmic financial trading to artificial life and robotics erlang is the language of choice for programmers who want to write robust concurrent applications but its strange syntax and functional design can intimidate the uninitiated luckily there s a new weapon in the battle against erlang phobia learn you some erlang for great good erlang maestro fred hébert starts slow and eases you into the basics you ll learn about erlang s unorthodox syntax its data structures its type system or lack thereof and basic functional programming techniques once you ve wrapped your head around the simple stuff you ll tackle the real meat and potatoes of the language concurrency distributed computing hot code loading and all the other dark magic that makes erlang such a hot topic among today s savvy developers as you dive into erlang s functional fantasy world you ll learn about testing your applications with eunit and common test building and releasing your applications with the otp framework passing messages raising errors and starting stopping processes over many nodes storing and retrieving data using mnesia and ets network programming with tcp udp and the inet module the simple joys and potential pitfalls of writing distributed concurrent applications packed with lighthearted illustrations and just the right mix of offbeat and practical example programs learn you some erlang for great good is the perfect entry point into the sometimes crazy always thrilling world of erlang a complete description of erlang a programming language for building robust concurrent systems the book contains many examples of how robust real time systems can be programmed using this language l approche distribuée est nécessaire à toute démarche de développement par service notamment pour l organisation de systèmes d information évolutifs fiabilité industrielle pour les applications distribuées en open source développé par ericsson depuis une dizaine d années pour gérer les aspects les plus ardus des applications distribuées et robustes erlang est disponible en open source depuis 1998 essentiellement orienté réseau il est utilisé pour réaliser des jeux massivement multijoueurs des applications internet de haute disponibilité fermes de serveurs http robots de chat irc tel manderlbot mais s applique également en tant que langage généraliste à des domaines allant de l informatique industrielle à la finance en passant par le jeu vidéo ou la 3d une référence sur la programmation fonctionnelle et concurrente en erlang préfacé par joe armstrong créateur d erlang ce premier livre en français sur erlang explore la puissance de la programmation concurrente depuis l installation du langage sur diverses plates formes jusqu à la création d applications tolérantes aux pannes en passant par la description du framework de développement la gestion de bases de données distribuées et la gestion des erreurs ce livre constitue une référence appliquée sur erlang handbook of neuroevolution through erlang presents both the theory behind and the methodology of developing a neuroevolutionary based computational intelligence system using erlang with a foreword written by joe armstrong this handbook offers an extensive tutorial for creating a state of the art topology and weight evolving artificial neural network tweann platform in a step by step format the reader is guided from a single simulated neuron to a complete system by following these steps the reader will be able to use novel technology to build a tweann system which can be applied to artificial life simulation and forex trading because of erlang s architecture it perfectly matches that of evolutionary and neurocomptational systems as a programming language it is a concurrent message passing paradigm which allows the developers to make full use of the multi core multi cpu systems handbook of neuroevolution through erlang explains how to leverage erlang s features in the field of machine learning and the system s real world applications ranging from algorithmic financial trading to artificial life and robotics el lenguaje de programación erlang nació sobre el año 1986 en los laboratorios ericsson de la mano de joe armstrong es un lenguaje funcional con base en prolog tolerante a fallos y orientado al trabajo en tiempo real y a la concurrencia lo que le proporciona ciertas ventajas en lo que a la declaración de algoritmos se refiere como la mayoría de lenguajes funcionales erlang requiere un análisis del problema y una forma de diseñar la solución diferente a como haría en un lenguaje de programación imperativo sugiere una mejor y más eficiente forma de llevarlo a cabo se basa en una sintaxis más matemática que programática por lo que tiende más a la resolución de problemas que a la ordenación y ejecución de órdenes todo ello hace que erlang sea un lenguaje muy apropiado para la programación de elementos de misión crítica tanto a nivel de servidor como a nivel de escritorio e incluso para el desarrollo de sistemas embebidos o incrustados en este libro se recoge un compendio de información sobre lo que es el lenguaje cómo cubre las necesidades para las que fue creado cómo sacarle el máximo provecho a su forma de realizar las tareas y a su orientación a la concurrencia es un repaso desde el principio sobre cómo programar de una forma funcional y concurrente en un entorno distribuido y tolerante a fallos esta tercera revisión comprende hasta la versión 24 exponiendo la nueva sintaxis para obtener el retorno de pila en una excepción los alias de procesos nuevas formas de trabajar con la memoria a través de los atómicos contadores y términos persistentes un nuevo capítulo dedicado a crypto y el cambio a rebar3 para la construcción de nuestros proyectos these proceedings are devoted to communicating significant developments in all areas pertinent to parallel symbolic computation the scope includes algorithms languages software systems and application in any area of parallel symbolic computation where parallelism is interpreted broadly to include concurrent distributive cooperative schemes and so forth より良いプログラマになるための実践的アプローチ 本書は david thomas and andrew hunt the pragmatic programmer 20th anniversary edition addison wesley 2019 の日本語版です 本書は より効率的 そしてより生産的なプログラマーになりたいと願うソフトウェア開発者に向けて アジャイルソフトウェア開発手法の先駆者として知られる二人により執筆されました 経験を積み 生産性を高め ソフトウェア開発の全体をより良く理解するための 実践的なアプローチが解説されています 先見性と普遍性に富んだ本書は 入門者には手引きとなり ベテランでも読み直すたびに得るものがある 座右の一冊です 原著サポートページ pragprog com titles tpp20 the pragmatic programmer 20th anniversary edition このような方におすすめ プログラマ ソフトウェア開発者 入門者 ベテランを問わず ものづくりにかかわっている人 主要目次 第1章 達人の哲学 第2章 達人のアプローチ 第3章 基本的なツール 第4章 妄想の達人 第5章 柳に雪折れ無し 第6章 並行性 第7章 コーディング段階 第8章 プロジェクトを始める前に 第9章 達人のプロジェクト the21steuropeanconferenceonobject orientedprogramming ecoop2007 was held in berlin germany on july 30 to august 3 2007 ecoop is the most importantand inspiring forumin europeandbeyond for researchers practiti ers and students working in that smorgasbord of topics and approaches known as object orientation this topic area was explored and challenged by excellent invited speakers two of which were the winners of this year s dahl nygaard award in the carefully refereed and selected technical papers leadership posters via demonstrations and in tutorials each of the many workshops complemented this with a very interactive and dynamic treatment of more specific topics nally panels allowed for loud and lively disagreement yet it is one of ecoop s specialqualities that this plethora ofactivities add upto a coherentandexciting whole rather than deteriorating into chaos the program committee received 161 submissions this year only 135 of them were carried through the full review process because of a number of tractions and a number of submissions of abstracts that were never followed by a full paper however the remaining papers were of very high quality and we accepted25 of them for publication helping very goodpapers to be published is more useful than having an impressively low acceptance rate the papers were selected according to four groups of criteria whose priority depended on the paper relevance originality and significance precisionand correctness and p sentation and clarity each paper had three four or ve reviews depending on how controversial it was icics 99 the second international conference on information and c munication security was held in sydney australia 9 11 november 1999 the conference was sponsored by the distributed system and network security search unit university of western sydney nepean the australian computer society ieee computer chapter nsw and harvey world travel i am g teful to all these organizations for their support of the conference the conference brought together researchers designers implementors and users of information security systems and technologies a range of aspects was addressed from security theory and modeling to system and protocol designs and implementations to applications and management the conference con sted of a series of refereed technical papers and invited technical presentations the program committee invited two distinguished key note speakers the rst keynote speech by doug mcgowan a senior manager from hewlett packard usa discussed cryptography in an international setting doug described the current status of international cryptography and explored possible future trends and new technologies the second keynote speech was delivered by sushil ja dia of george mason university usa sushil s talk addressed the protection of critical information systems he discussed issues and methods for survivability of systems under malicious attacks and proposed a fault tolerance based proach the conference also hosted a panel on the currently much debated topic of internet censorship the panel addressed the issue of censorship from various viewpoints namely legal industrial governmental and technical elixir is a functional language that crosses many boundaries with a syntax borrowing heavily from ruby a runtime that is on the erlang beam a macro system like that in lisp and a streaming library like you might find in haskell elixir takes the best features from many environments elixir borrows from erlang s let it crash philosophy and adds significant improvements with structs first class hygienic macros and abstractions such as protocols many of these ideas were borrowed from other communities and they make a big difference in language adoption this book gives you a quick guided tour through the fascinating world of elixir explore elixir with the author of seven languages in seven weeks in this fast paced book first published with groxio s programmer passport you ll discover how elixir s fantastic documentation clear error messages and excellent tooling make it approachable and easy to work with learn about techniques other books skip like writing your own mix task and discover several blind spots that beginning and intermediate elixir developers encounter effective elixir depends on getting the most out of the most common datatypes explore the most important ones before using them to write modules and different kinds of functions learn when to choose tuples maps or lists in your programs and the most effective ways to access lists understand the differences between maps and keyword lists learn the primitives elixir uses to start multiple processes and send messages between them you ll finish the book by dabbling with the advanced techniques of streams sigils and macros find out what groxio customers already know the assistance of an experienced guide will help you learn elixir more quickly than you could without one what you need you ll need elixir version 1 12 or greater this book constitutes the thoroughly refereed post workshop proceedings of the 9th international workshop on implementation of functional languages ifl 97 held in st andrews scotland uk in september 1997 the 21 revised full papers presented were selected from the 34 papers accepted for presentation at the workshop during a second round of thorough a posteriori reviewing the book is divided in sections on compilation types benchmarking and profiling parallelism interaction language design and garbage collection teaching the science and the technology of programming as a unified discipline that shows the deep relationships between programming paradigms this innovative text presents computer programming as a unified discipline in a way that is both practical and scientifically sound the book focuses on techniques of lasting value and explains them precisely in terms of a simple abstract machine the book presents all major programming paradigms in a uniform framework that shows their deep relationships and how and where to use them together after an introduction to programming concepts the book presents both well known and lesser known computation models programming paradigms each model has its own set of techniques and each is included on the basis of its usefulness in practice the general models include declarative programming declarative concurrency message passing concurrency explicit state object oriented programming shared state concurrency and relational programming specialized models include graphical user interface programming distributed programming and constraint programming each model is based on its kernel language a simple core language that consists of a small number of programmer significant elements the kernel languages are introduced progressively adding concepts one by one thus showing the deep relationships between different models the kernel languages are defined precisely in terms of a simple abstract machine because a wide variety of languages and programming paradigms can be modeled by a small set of closely related kernel languages this approach allows programmer and student to grasp the underlying unity of programming the book has many program fragments and exercises all of which can be run on the mozart programming system source software package that features an interactive incremental development environment peter seibel interviews 15 of the most interesting computer programmers alive today in coders at work offering a companion volume to apress s highly acclaimed best seller founders at work by jessica livingston as the words at work suggest peter seibel focuses on how his interviewees tackle the day to day work of programming while revealing much more like how they became great programmers how they recognize programming talent in others and what kinds of problems they find most interesting hundreds of people have suggested names of programmers to interview on the coders at work web site codersatwork com the complete list was 284 names having digested everyone s feedback we selected 15 folks who ve been kind enough to agree to be interviewed frances allen pioneer in optimizing compilers first woman to win the turing award 2006 and first female ibm fellow joe armstrong inventor of erlang joshua bloch author of the java collections framework now at google bernie cosell one of the main software guys behind the original arpanet imps and a master debugger douglas crockford json founder javascript architect at yahoo l peter deutsch author of ghostscript implementer of smalltalk 80 at xerox parc and lisp 1 5 on pdp 1 brendan eich inventor of javascript the mozilla corporation brad fitzpatrick writer of livejournal openid memcached and perlbal dan ingalls smalltalk implementor and designer simon peyton jones coinventor of haskell and lead designer of glasgow haskell compiler donald knuth author of the art of computer programming and creator of tex peter norvig director of research at google and author of the standard text on ai guy steele coinventor of scheme and part of the common lisp gang of five currently working on fortress ken thompson inventor of unix jamie zawinski author of xemacs and early netscape mozilla hacker 効率的なデータ構造が必要になったとき 命令形言語向けには多数の参考書が存在している しかし 関数型言語のための参考書はなかった 本書は 関数型の視点からデータ構造について論述した唯一の解説書である プログラミング言語scalaの解説書 scala言語の基本的な機能やscala特有の設計について学ぶことができます 対象読者はjavaやrubyといったオブジェクト指向言語の経験を持つプログラマ 前半は実行可能なサンプルを実際に動かしながら言語の説明をしているため初学者にも読みやすく 後半の言語仕様の詳細やscala独特のイディオム 設計原則 デザインパターン dslといった高度な概念についての解説は中上級者にとっても参考になります 日本語版では独自の章を2つ追加し scala2 8における変更点とsimple build toolを使ったscalaの開発について解説しました scala2 7 2 8対応 javascriptで関数型プログラミング

プログラミングErlang

2008-02

erlang アーランとは 近年再評価されて注目を集めている関数型プログラミング言語 本書は 並行プログラミングに有効な言語として急速に一般にも認知され始めたプログラミング言語erlangのバイブル的な解説書を翻訳するもの 原著者はerlangの初期の頃からの開発者の一人

プログラミング Erlang

2008

a multi user game web site cloud application or networked database can have thousands of users all interacting at the same time you need a powerful industrial strength tool to handle the really hard problems inherent in parallel concurrent environments you need erlang in this second edition of the bestselling programming erlang you ll learn how to write parallel programs that scale effortlessly on multicore systems using erlang you ll be surprised at how easy it becomes to deal with parallel problems and how much faster and more efficiently your programs run that s because erlang uses sets of parallel processes not a single sequential process as found in most programming languages joe armstrong creator of erlang introduces this powerful language in small steps giving you a complete overview of erlang and how to use it in common scenarios you ll start with sequential programming move to parallel programming and handling errors in parallel programs and learn to work confidently with distributed programming and the standard erlang open telecom platform otp frameworks you need no previous knowledge of functional or parallel programming the chapters are packed with hands on real world tutorial examples and insider tips and advice and finish with exercises for both beginning and advanced users the second edition has been extensively rewritten new to this edition are seven chapters covering the latest erlang features maps the type system and the dialyzer websockets programming idioms and a new stand alone execution environment you ll write programs that dynamically detect and correct errors and that can be upgraded without stopping the system there s also coverage of rebar the de facto erlang build system and information on how to share and use erlang projects on github illustrated with examples from cowboy and bitcask erlang will change your view of the world and of how you program what you need the erlang otp system download it from erlang org

Programming Erlang

2013-09-23

erlangの威力を最大限発揮させるための知識

Erlangプログラミング

2010-07

複数のプログラミング言語とパラダイムを使いこなせれば プログラマとしての幅が広がります 本書は 1週間で1つの新しい言語を学ぶ seven languages in seven weeks を rubyの作者まつもとゆきひろ氏の監訳で発行するものです 言語の特徴を映画の登場人物になぞらえて ruby io prolog scala erlang clojure haskellという個性的な7つの言語を紹介 各言語の特性とそこにあるプログラミングパラダイムを 体験を通してものにしましょう

7つの言語 7つの世界

2011-07

this book is an in depth introduction to erlang a programming language ideal for any situation where concurrency fault tolerance and fast response is essential erlang is gaining widespread adoption with the advent of multi core processors and their new scalable approach to concurrency with this guide you ll learn how to write complex concurrent programs in erlang regardless of your programming background or experience written by leaders of the international erlang community and based on their training material erlang programming focuses on the language s syntax and semantics and explains pattern matching proper lists recursion debugging networking and concurrency this book helps you understand the strengths of erlang and why its designers included specific features learn the concepts behind concurrency and erlang s way of handling it write efficient erlang programs while keeping code neat and readable discover how erlang fills the requirements for distributed systems add simple graphical user interfaces with little effort learn erlang s tracing mechanisms for debugging concurrent and distributed systems use the built in mnesia database and other table storage features erlang programming provides exercises at the end of each chapter and simple examples throughout the book

Erlang Programming

2009-06-11

プログラミング言語elixirを学ぶ elixir エリクサー は 並行処理を得意とするプログラミング言語erlangのvm エンジン部分 を基盤とし erlangよりもなじみやすい文法を採用したプログラミング言語です 本書は rubyやelixirの伝道師として そして 達人プログラマー として知られるdave thomas氏による プログラミング言語elixirの定番解説書 programming elixir 1 6 pragmatic bookshelf 2018 の日本語訳です 基本的なプログラミングから 並行処理 さらなる

応用へと順を追って進む構成になっています 本書を読むことで elixirらしいプログラミングを学ぶことができます 第2版では 内容が大幅にアップデートされ elixir 1 6以降に対応しただけではなく 開発ツールの利用を含めたアプリケーション開発の実際についての解説が より充実したものになっています またこの日本語版第2版には elixir 1 6以降の周辺事情や開発現場で知っておきたい情報をまとめた補遺が追加されています このような方におすすめ 向上心のあるプログラマ elixirに興味のある人 rubyユーザ erlangユーザ プログラミングを学んでいる学生 情報系の大学生 主要目次 elixir作者による前書き はじめに 正当化のむなしい試み 再び 第1章 赤いカプセルをとれ 第 i 部 伝統的なプログラミング 第2章 パターンマッチ 第3章 不変性 第4章 elixirの基礎 第5章 無名関数 第6章 モジュールと名前付き関数 第7章 リストと再帰 第8章 マップ キーワードリスト セット 構造体 第9章 寄り道 型とは何か 第10章 コレクションの処理 enumとstream 第11章 文字列とバイナリ 第12章 制御フロー 第13章 プロジェクトを構成する 第14章 ツールの利用 第 ii 部 並行プログラミング 第15章 複数のプロセスを使う 第16章 ノード 分散システムの要 第17章 otp サーバ 第18章 otp スーパーバイザ 第19章 さらに複雑な例 第20章 otp アプリケーション 第21章 タスクとエージェント 第 iii 部 より高度なelixir 第22章 マクロとコードの評価 第23章 モジュールのリンク ビヘイビアとuse 第24章 プロトコル ポリモーフィック関数 第25章 かっこいい機能いろいろ 付録a 例外 rais try catch throw 付録b 型仕様と型チェック 付録c 参考文献 付録d elixir 1 6以降の状況と開発運用の実際 付録e 日本語版に寄せて

すごい**Erlang**ゆかいに学ぼう**!**

2014-07-03

why choose erlang for web applications discover the answer hands on by building a simple web service with this book if you re an experienced web developer who knows basic erlang you ll learn how to work with rest dynamic content web sockets and concurrency through several examples in the process you ll see first hand that erlang is ideal for building business critical services erlang was designed for fault tolerant non stop telecom systems and building applications with it requires a large set of skills by the end of the book you ll have the information you need to build a basic web service and get it running explore the power of erlang and rest for building web services serve static and dynamic content with the yaws web server use different methods for outputting data to user such as encoding erlang data structures into json or xml build an application to listen for http requests process them store data and return useful data go beyond the request response model push data to clients with web sockets use erlang and yaws to stream data from the server to a client a book which is truly needed and will help get erlang to the next level francesco cesarini ceo of erlang solutions author of erlang programming

□□□□□□□Elixir□□2□□

2020-12-01

learn and understand erlang and elixir and develop a working knowledge of the concepts of functional programming that underpin them this book takes the author s experience of taking on a project that required functional programming and real time systems breaks it down and organizes it you will get the necessary knowledge about differences to the languages you know where to start and where to go next have you been told by your customer or manager that they heard good things about erlang you should use it for the next project never had to deal with functional programming or real time systems in 2014 the author wolfgang loder developed a repository for digital assets that had to deliver those assets in binary form quickly and reliably being able to deal with at least hundreds of requests per second since he could decide the architecture and software stack of the solution he immediately thought of erlang and its libraries and started to evaluate this option it was not long after that he discovered elixir which sits on top of the erlang virtual machine and has features more palatable for non functional programmers although it is a functional programming language itself erlang and elixir for imperative programmers gives you a basis for deciding whether the effort is viable for your next project this book is partly a tale of the author s own experience and partly a description of the bigger and more subtle differences between erlang elixir and languages such as c java and c what you ll learn discover functional programming erlang and elixir work on service design and service features set up your environment deployment development and production implement the service including public interface asset processing and deployment use the patterns and concepts found in erlang including type creation concepts and code structuring who this book is for experienced and savvy programmers coders and developers new to erlang and elixir

Building Web Applications with Erlang

2012-06-05

diffusing software product and process innovations addresses the problems and issues surrounding successful diffusion of innovations in software everett rogers classic text diffusion of innovations provides a valuable framework for evaluating and applying technology transfer methods in today s new economy the most important innovations may well be new software products and processes topics covered in this valuable new book include implementation and coordination issues new interpretations of diffusion theory diffusion of software processes contextual factors communication of information experience reports this volume contains the edited proceedings of the fourth working conference on diffusing software product and process innovations which was sponsored by the international federation for information processing ifip working group 8 6 and held in banff canada in april 2001 it reflects the latest experiences of practitioners and theories of academics in this fast changing field

Erlang and Elixir for Imperative Programmers

2016-11-26

if you need to build a scalable fault tolerant system with requirements for high availability discover why the erlang otp platform stands out for the breadth depth and consistency of its features this hands on guide demonstrates how to use the erlang programming language and its otp framework of reusable libraries tools and design principles to develop complex commercial grade systems that simply cannot fail in the first part of the book you ll learn how to design and implement process behaviors and supervision trees with erlang otp and bundle them into standalone nodes the second part addresses reliability scalability and high availability in your overall system design if you re familiar with erlang this book will help you understand the design choices and trade offs necessary to keep your system running explore otp s building blocks the erlang language tools and libraries collection and its abstract principles and design rules dive into the fundamentals of otp reusable frameworks the erlang process structures otp uses for behaviors understand how otp behaviors support client server structures finite state machine patterns event handling and runtime code integration write your own behaviors and special processes use otp s tools techniques and architectures to handle deployment monitoring and operations

□□□□□□□□□Erlang□□

2007-11

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Diffusing Software Product and Process Innovations

2013-04-17

concurrent programming has become a required discipline for all programmers multi core processors and the increasing demand for maximum performance and scalability in mission critical applications have renewed interest in functional languages like erlang that are designed to handle concurrent programming erlang and the otp platform make it possible to deliver more robust applications that satisfy rigorous uptime and performance requirements erlang and otp in action teaches you to apply erlang s message passing model for concurrent programming a completely different way of tackling the problem of parallel programming from the more common multi threaded approach this book walks you through the practical considerations and steps of building systems in erlang and integrating them with real world c c java and net applications unlike other books on the market erlang and otp in action offers a comprehensive view of how concurrency relates to soa and web technologies this hands on guide is perfect for readers just learning erlang or for those who want to apply their theoretical knowledge of this powerful language you ll delve into the erlang language and otp runtime by building several progressively more interesting real world distributed applications once you are competent in the fundamentals of erlang the book takes you on a deep dive into the process of designing complex software systems in erlang purchase of the print book comes with an offer of a free pdf epub and kindle ebook from manning also available is all code from the book

Designing for Scalability with Erlang/OTP

2016-05-16

本書には 改訂版が存在します プログラミングelixir 第2版 プログラミング言語elixirを学ぶ elixir エリクサー は 並行処理を得意とするプログラミング言語erlangのvm エンジン部分 を基盤とし erlangよりもなじみやすい文法を採用したプログラミング言語です 本書は 世界的なrubyプログラマであるdave thomas氏が書いた プログラミング言語elixirの本格的解説書 programming elixir 1 2 pragmatic bookshelf 2016 の日本語訳です 通常のプログラミングから 並行処理 さらなる応用へと順を追って進む構成になっています 本書を読むことで elixirらしいプログラミングを学ぶことができます このような方におすすめ向上心のあるプログラマ elixirに興味のある人 rubyユーザ erlangユーザ プログラミングを学んでいる学生 情報系の大学生主要目次第1章 赤いカプセルをとれ 第i部 伝統的なプログラミング 第2章 パターンマッチ 第3章 不変性 第4章 elixirの基礎 第5章 無名関数 第6章 モジュールと名前付き関数 第7章 リストと再帰 第8章 マップ キーワードリスト セット 構造体 第9章 寄り道 型とは何か 第10章 コレクションの処理 enum とstream 第11章 文字列とバイナリ 第12章 制御フロー 第13章 プロジェクトを構成する 第ii部 並行プログラミング 第14章 複数のプロセスを使う 第15章 ノード 分散システムの要 第16章 otp サーバ 第17章 otp スーパーバイザ 第18章 otp アプリケーション 第19章 タスクとエージェント 第iii部 より高度なelixir1 第20章 マクロとコードの評価 第21章 モジュールのリンク ビヘイビアとuse 第22章 プロトコル ポリモーフィック関数 第23章 かっこいい機能いろいろ 付録a 例外 raise try catch throw 付録b 型仕様と型チェック 付録c 参考文献 付録d 日本語版に寄せて 索引

Coders at Work

2011-05

本書は web開発のプロが書き下ろしたの国内初のelixirプログラミングの解説書です 新しい言語に挑戦しようとする現役のプログラマだけでなく プログラミング自体の初心者にも門戸を開くべく 変数 や 整数 のような基本的な概念についてもできるかぎり丁寧に説明しています また具体的なソースコードとその実行結果を数多く掲載しています 特に誤ったソースコードの例とそれを実行したときに出力される警告とエラーメッセージについて詳しく解説されており 初心者が戸惑い学習意欲を損なわないようなに配慮されています 本書で扱ったサンプルコードは webサイトからダウンロード可能です 実行環境としてはdockerコンテナを利用し elixir 1 11に対応しています また 著者のサポートサイトでは 本書の内容に関する質問も受け付けています 本書はの主要なテーマは モジュール 関数 データ型 パターンマッチングなどです より複雑なテーマである構造体 ポリモーフィズム ビヘイビア メタプログラミング 並行プログラミングなどは続編となる elixir実践ガイド アドバンスト編 で扱います 発行 インプレス

Erlang and OTP in Action

2010-11-15

if you re new to erlang its functional style can seem difficult but with help from this hands on introduction you ll scale the learning curve and discover how enjoyable powerful and fun this language can be in this updated second edition author simon st laurent shows you how to write simple erlang programs by teaching you one skill at a time you ll learn about pattern matching recursion message passing process oriented programming and establishing pathways for data rather than telling it where to go by the end of your journey you ll understand why erlang is ideal for concurrency and resilience get cozy with erlang s shell its command line interface define functions using the fun tool to represent repeated calculations discover atoms pattern matching and guards the foundations of your program structure delve into the heart of erlang processing with recursion strings lists and higher order functions create processes send messages among them and apply pattern matching to incoming messages store and manipulate structured data with erlang term storage and the mnesia database learn about open telecom platform erlang s open source libraries and tools

AUUGN

1999-09-08

handbook of neuroevolution through erlang presents both the theory behind and the methodology of developing a neuroevolutionary based computational intelligence system using erlang with a foreword written by joe armstrong this handbook offers an extensive tutorial for creating a state of the art topology and weight evolving artificial neural network tweann platform in a step by step format the reader is guided from a single simulated neuron to a complete system by following these steps the reader will be able to use novel technology to build a tweann system which can be applied to artificial life simulation and forex trading because of erlang s architecture it perfectly matches that of evolutionary and neurocomptational systems as a programming language it is a concurrent message passing paradigm which allows the developers to make full use of the multi core multi cpu systems handbook of neuroevolution through erlang explains how to leverage erlang s features in the field of machine learning and the system s real world applications ranging from algorithmic financial trading to artificial life and robotics

□□□□□□□Elixir

2016-08-20

erlang is the language of choice for programmers who want to write robust concurrent applications but its strange syntax and functional design can intimidate the uninitiated luckily there s a new weapon in the battle against erlang phobia learn you some erlang for great good erlang maestro fred hébert starts slow and eases you into the basics you ll learn about erlang s unorthodox syntax its data structures its type system or lack thereof and basic functional programming techniques once you ve wrapped your head around the simple stuff you ll tackle the real meat and potatoes of the language concurrency distributed computing hot code loading and all the other dark magic that makes erlang such a hot topic among today s savvy developers as you dive into erlang s functional fantasy world you ll learn about testing your applications with eunit and common test building and releasing your applications with the otp framework passing messages raising errors and starting stopping processes over many nodes storing and retrieving data using mnesia and ets network programming with tcp udp and the inet module the simple joys and potential pitfalls of writing distributed concurrent applications packed with lighthearted illustrations and just the right mix of offbeat and practical example programs learn you some erlang for great good is the perfect entry point into the sometimes crazy always thrilling world of erlang

Elixir□□□□□

2021-02-05

a complete description of erlang a programming language for building robust concurrent systems the book contains many examples of how robust real time systems can be programmed using this language

Introducing Erlang

2017-03-06

l approche distribuée est nécessaire à toute démarche de développement par service notamment pour l organisation de systèmes d information évolutifs fiabilité industrielle pour les applications distribuées en open source développé par ericsson depuis une dizaine d années pour gérer les aspects les plus ardus des applications distribuées et robustes erlang est disponible en open source depuis 1998 essentiellement orienté réseau il est utilisé pour réaliser des jeux massivement multijoueurs des applications internet de haute disponibilité fermes de serveurs http robots de chat irc tel manderlbot mais s applique également en tant que langage généraliste à des domaines allant de l informatique industrielle à la finance en passant par le jeu vidéo ou la 3d une référence sur la programmation fonctionnelle et concurrente en erlang préfacé par joe armstrong créateur d erlang ce premier livre en français sur erlang explore la puissance de la programmation concurrente depuis l installation du langage sur diverses plates formes jusqu à la création d applications tolérantes aux pannes en passant par la description du framework de développement la gestion de bases de données distribuées et la gestion des erreurs ce livre constitue une référence appliquée sur erlang

Handbook of Neuroevolution Through Erlang

2012-11-06

handbook of neuroevolution through erlang presents both the theory behind and the methodology of developing a neuroevolutionary based computational intelligence system using erlang with a foreword written by joe armstrong this handbook offers an extensive tutorial for creating a state of the art topology and weight evolving artificial neural network tweann platform in a step by step format the reader is guided from a single simulated neuron to a complete system by following these steps the reader will be able to use novel technology to build a tweann system which can be applied to artificial life simulation and forex trading because of erlang s architecture it perfectly matches that of evolutionary and neurocomptational systems as a programming language it is a concurrent message passing paradigm which allows the developers to make full use of the multi core multi cpu systems handbook of neuroevolution through erlang explains how to leverage erlang s features in the field of machine learning and the system s real world applications ranging from algorithmic financial trading to artificial life and robotics

Learn You Some Erlang for Great Good!

2013-01-13

el lenguaje de programación erlang nació sobre el año 1986 en los laboratorios ericsson de la mano de joe armstrong es un lenguaje funcional con base en prolog tolerante a fallos y orientado al trabajo en tiempo real y a la concurrencia lo que le proporciona ciertas ventajas en lo que a la declaración de algoritmos se refiere como la mayoría de lenguajes funcionales erlang requiere un análisis del problema y una forma de diseñar la solución diferente a como se haría en un lenguaje de programación imperativo sugiere una mejor y más eficiente forma de llevarlo a cabo se basa en una sintaxis más matemática que programática por lo que tiende más a la resolución de problemas que a la ordenación y ejecución de órdenes todo ello hace que erlang sea un lenguaje muy apropiado para la programación de elementos de misión crítica tanto a nivel de servidor como a nivel de escritorio e incluso para el desarrollo de sistemas embebidos o incrustados en este libro se recoge un compendio de información sobre lo que es el lenguaje cómo cubre las necesidades para las que fue creado cómo sacarle el máximo provecho a su forma de realizar las tareas y a su orientación a la concurrencia es un repaso desde el principio sobre cómo programar de una forma funcional y concurrente en un entorno distribuido y tolerante a fallos esta tercera revisión comprende hasta la versión 24 exponiendo la nueva sintaxis para obtener el retorno de pila en una excepción los alias de procesos nuevas formas de trabajar con la memoria a través de los atómicos contadores y términos persistentes un nuevo capítulo dedicado a crypto y el cambio a rebar3 para la construcción de nuestros proyectos

Concurrent Programming in ERLANG

1993

these proceedings are devoted to communicating significant developments in all areas pertinent to parallel symbolic computation the scope includes algorithms languages software systems and application in any area of parallel symbolic computation where parallelism is interpreted broadly to include concurrent distributive cooperative schemes and so forth

Erlang programmation

2012-08-14

より良いプログラマになるための実践的アプローチ 本書は david thomas and andrew hunt the pragmatic programmer 20th anniversary edition addison wesley 2019 の日本語版です 本書は より効率的 そしてより生産的なプログラマーになりたいと願うソフトウェア開発者に向けて アジャイルソフトウェア開発手法の先駆者として知られる二人により執筆されました 経験を積み 生産性を高め ソフトウェア開発の全体をより良く理解するための 実践的なアプローチが解説されています 先見性と普遍性に富んだ本書は 入門者には手引きとなり ベテランでも読み直すたびに得るものがある 座右の一冊です 原著サポートページ pragprog com titles tpp20 the pragmatic programmer 20th anniversary edition このような方におすすめ プログラマ ソフトウェア開発者 入門者 ベテランを問わず ものづくりにかかわっている人 主要目次 第1章 達人の哲学 第2章 達人のアプローチ 第3章 基本的なツール 第4章 妄想の達人 第5章 柳に雪折れ無し 第6章 並行性 第7章 コーディング段階 第8章 プロジェクトを始める前に 第9章 達人のプロジェクト

Handbook of Neuroevolution Through Erlang

2012-11-06

the21steuropeanconferenceonobject orientedprogramming ecoop2007 was held in berlin germany on july 30 to august 3 2007 ecoop is the most importantand inspiring forumin europeandbeyond for researchers practiti ers and students working in that smorgasbord of topics and approaches known as object orientation this topic area was explored and challenged by excellent invited speakers two of which were the winners of this year s dahl nygaard award in the carefully refereed and selected technical papers on posters via demonstrations and in tutorials each of the many workshops complemented this with a very interactive and dynamic treatment of more specific topics finally panels allowed for loud and lively disagreement yet it is one of ecoop s specialqualities that this plethora ofactivities add upto a coherentandexciting whole rather than deteriorating into chaos the program committee received 161 submissions this year only 135 of them were carried through the full review process because of a number of tractions and a number of submissions of abstracts that were never followed by a full paper however the remaining papers were of very high quality and we accepted25 of them for publication helping very goodpapers to be published is more useful than having an impressively low acceptance rate the papers were selected according to four groups of criteria whose priority depended on the paper relevance originality and significance precisionand correctness and p sentation and clarity each paper had three four or ve reviews depending on how controversial it was

AUUGN

2003

icics 99 the second international conference on information and c munication security was held in sydney australia 9 11 november 1999 the conference was sponsored by the distributed system and network security search unit university of western sydney nepean the australian computer society ieee computer chapter nsw and harvey world travel i am g teful to all these organizations for their support of the conference the conference brought together researchers designers implementors and users of information security systems and technologies a range of aspects was addressed from security theory and modeling to system and protocol designs and implementations to applications and management the conference con sted of a series of refereed technical papers and invited technical presentations the program committee invited two distinguished key note speakers the rst keynote speech by doug mcgowan a senior manager from hewlett packard usa discussed cryptography in an international setting doug described the current status of international cryptography and explored possible future trends and new technologies the second keynote speech was delivered by sushil ja dia of george mason university usa sushil s talk addressed the protection of critical information systems he discussed issues and methods for survivability of systems under malicious attacks and proposed a fault tolerance based proach the conference also hosted a panel on the currently much debated topic of internet censorship the panel addressed the issue of censorship from various viewpoints namely legal industrial governmental and technical

Erlang/OTP Volumen I

2021-11-01

elixir is a functional language that crosses many boundaries with a syntax borrowing heavily from ruby a runtime that is on the erlang beam a macro system like that in lisp and a streaming library like you might find in haskell elixir takes the best features from many environments elixir borrows from erlang s let it crash philosophy and adds significant improvements with structs first class hygienic macros and abstractions such as protocols many of these ideas were borrowed from other communities and they make a big difference in language adoption this book gives you a quick guided tour through the fascinating world of elixir explore elixir with the author of seven languages in seven weeks in this fast paced book first published with groxio s programmer passport you ll discover how elixir s fantastic documentation clear error messages and excellent tooling make it approachable and easy to work with learn about techniques other books skip like writing your own mix task and discover several blind spots that beginning and intermediate elixir developers encounter effective elixir depends on getting the most out of the most common datatypes explore the most important ones before using them to write modules and different kinds of functions learn when to choose tuples maps or lists in your programs and the most effective ways to access lists understand the differences between maps and keyword lists learn the primitives elixir uses to start multiple processes and send messages between them you ll finish the book by dabbling with the advanced techniques of streams sigils and macros find out what groxio customers already know the assistance of an experienced guide will help you learn elixir more quickly than you could without one what you need you ll need elixir version 1 12 or greater

Parallel Symbolic Computation Pasco '94 - Proceedings Of The First International Symposium

1994-09-17

this book constitutes the thoroughly refereed post workshop proceedings of the 9th international workshop on implementation of functional languages ifl 97 held in st andrews scotland uk in september 1997 the 21 revised full papers presented were selected from the 34 papers accepted for presentation at the workshop during a second round of thorough a posteriori reviewing the book is divided in sections on compilation types benchmarking and profiling parallelism interaction language design and garbage collection

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2020-11-20

teaching the science and the technology of programming as a unified discipline that shows the deep relationships between programming paradigms this innovative text presents computer programming as a unified discipline in a way that is both practical and scientifically sound the book focuses on techniques of lasting value and explains them precisely in terms of a simple abstract machine the book presents all major programming paradigms in a uniform framework that shows their deep relationships and how and where to use them together after an introduction to programming concepts the book presents both well known and lesser known computation models programming paradigms each model has its own set of techniques and each is included on the basis of its usefulness in practice the general models include declarative programming declarative concurrency message passing concurrency explicit state object oriented programming shared state concurrency and relational programming specialized models include graphical user interface programming distributed programming and constraint programming each model is based on its kernel language a simple core language that consists of a small number of programmer significant elements the kernel languages are introduced progressively adding concepts one by one thus showing the deep relationships between different models the kernel languages are defined precisely in terms of a simple abstract machine because a wide variety of languages and programming paradigms can be modeled by a small set of closely related kernel languages this approach allows programmer and student to grasp the underlying unity of programming the book has many program fragments and exercises all of which can be run on the mozart programming system an open source software package that features an interactive incremental development environment

ECOOP - Object-Oriented Programming

2007-07-27

peter seibel interviews 15 of the most interesting computer programmers alive today in coders at work offering a companion volume to apress s highly acclaimed best seller founders at work by jessica livingston as the words at work suggest peter seibel focuses on how his interviewees tackle the day to day work of programming while revealing much more like how they became great programmers how they recognize programming talent in others and what kinds of problems they find most interesting hundreds of people have suggested names of programmers to interview on the coders at work web site codersatwork com the complete list was 284 names having digested everyone s feedback we selected 15 folks who ve been kind enough to agree to be interviewed frances allen pioneer in optimizing compilers first woman to win the turing award 2006 and first female ibm fellow joe armstrong inventor of erlang joshua bloch author of the java collections framework now at google bernie cosell one of the main software guys behind the original arpanet imps and a master debugger douglas crockford json founder javascript architect at yahoo l peter deutsch author of ghostscript implementer of smalltalk 80 at xerox parc and lisp 1 5 on pdp 1 brendan eich inventor of javascript cto of the mozilla corporation brad fitzpatrick writer of livejournal openid memcached and perlbal dan ingalls smalltalk implementor and designer simon peyton jones coinventor of haskell and lead designer of glasgow haskell compiler donald knuth author of the art of computer programming and creator of tex peter norvig director of research at google and author of the standard text on ai guy steele coinventor of scheme and part of the common lisp gang of five currently working on fortress ken thompson inventor of unix jamie zawinski author of xemacs and early netscape mozilla hacker

Information and Communication Security

2004-06-01

効率的なデータ構造が必要になったとき 命令形言語向けには多数の参考書が存在している しかし関数型言語のための参考書はなかった 本書は 関数型の視点からデータ構造について論述した唯一の解説書である

Programmer Passport: Elixir

2022-06-22

プログラミング言語scalaの解説書　scala言語の基本的な機能やscala特有の設計について学ぶことができます 対象読者はjavaやrubyといったオブジェクト指向言語の経験を持つプログラマ 前半は実行可能なサンプルを実際に動かしながら言語の説明をしているため初学者にも読みやすく 後半の言語仕様の詳細やscala独特のイディオム 設計原則 デザインパターン dslといった高度な概念についての解説は中上級者にとっても参考になります 日本語版では独自の章を2つ追加し　scala2 8における変更点とsimple build toolを使ったscalaの開発について解説しました　scala2 7 2 8対応

Implementation of Functional Languages

1998-08-26

javascriptで関数型プログラミング

Concepts, Techniques, and Models of Computer Programming

2004-02-20

Programmer en Erlang

2010

ACM SIGPLAN Erlang Workshop

2005

ブックページ

2009

Coders at Work

2009-12-21

純粋関数型データ構造

2017-04-28

プログラミング**Scala**

2011

Jaba sukuriputo de manabu kansūgata puroguramingu

2014-01

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