

Rapid Prototyping With Js Agile Javascript Development Start Learning Backbonejs Nodejs And Mongoddb

Pro Express.js is for the reader who wants to quickly get up-to-speed with Express.js, the flexible Node.js framework. Author Azat Mardan clearly explains how to start developing with Express.js with a basic 'Hello World', and then delves into a deep API reference, before looking at common and abstract development problems. Lastly, you will learn how to build a series of real-world apps in order to cement your knowledge. In order to get the best from this book, you will be familiar with Node.js scripts and able to install packages using npm. In the deep API reference, each aspect of the Express.js API is explained clearly with a simple exercise to demonstrate its usage. This includes configuration, settings and environments; different middleware and its uses; templating engines; extracting parameters and routing; request and response; error handling; and running an app. In the next part you'll delve into abstraction, streams, authentication, multithreading, Socket.io, security, and more complex modules. You will also learn about smaller frameworks built using Express.js, such as Sails.js, and Derby. Finally you'll build real-world apps including a REST API, Todo App, and Instagram gallery. Express.js is used by a range of well-known companies such as MySpace and Storify, and it's becoming more and more likely that it'll be a required skill for new developers. With this book you can skip learning via complicated documentation, and get the information from a developer who's been using Express.js for long enough to explain things well. Add Pro Express.js to your library today.

A one-page tool to reinvent yourself and your career The global bestseller Business Model Generation introduced a unique visual way to summarize and creatively brainstorm any business or product idea on a single sheet of paper. Business Model You uses the same powerful one-page tool to teach readers how to draw "personal business models," which reveal new ways their skills can be adapted to the changing needs of the marketplace to reveal new, more satisfying, career and life possibilities. Produced by the same team that created Business Model Generation, this book is based on the Business Model Canvas methodology, which has quickly emerged as the world's leading business model description and innovation technique. This book shows readers how to: Understand business model thinking and diagram their current personal business model Understand the value of their skills in the marketplace and define their purpose Articulate a vision for change Create a new personal business model harmonized with that vision, and most important, test and implement the new model When you implement the one-page tool from Business Model You, you create a game-changing business model for your life and career.

This book constitutes the refereed thoroughly refereed post-workshop proceedings of the 18th International Conference on Web Engineering, ICWE 2018, held in Cáceres, Spain, in June 2018. The 18 revised full papers were selected from 40 submissions. The workshops complement the main conference and explore new trends on core topics of Web engineering and provide an open discussion space combining solid theory work with practical on-the-field experience. The workshop committee accepted five workshops for publication in this volume: First International Workshop on Maturity of Web Engineering Practices (MATWEP 2018), Second International Workshop on Engineering the Web of Things (EnWoT 2018), Fourth International Workshop on Knowledge Discovery on the Web (KDWEB 2018), International Workshop on Engineering Open Data (WEOD 2018), First International Workshop on Knowledge Graphs on Travel and Tourism (TourismKG 2018).

The Comprehensive Book on Express.js The in-depth, detailed, hand-on manual on Express.js, the most popular Node.js framework. Will get you up and running fast and save you time. Understand the concepts, learn the best practices. Become an Express.js expert today. Express.js API reference, quick start guides, 20+ meticulously explained examples and tutorials -- over 270 pages with more than 60 illustrations. Quick Start The Interface Tips and Tricks Tutorials and Examples Why Express.js is the most popular Node.js web framework yet. As of this writing (September of 2013), there are no books that are solely dedicated to it. Its official website has bits of insights for advanced Node.js programmers. However, I found that many people -- including those who go through HackReactor7 program and come to my Node.js classes at General Assembly and pariSOMA -- are interested in a comprehensive resource. The one that would cover all the different components of Express.js work together in a real production-like application. The goal of Express.js Guide is to become such resource. What This Book is Express.js Guide is a concise book on one particular library. This book contains Express.js API 3.3.58 description, the best practices on code organization and patterns, real-world examples of web apps. The topics include but not limited to middleware, command-line interface and scaffolding, rendering templates, extracting params from dynamic URLs, parsing payloads and cookies, managing authentication with sessions, error handling and prepping apps for production. For more details and for what exactly the book covers, please refer to the Table of Contents. What This Book is Not This book is not an introduction to Node.js, nor is it a book that covers all aspects of building a modern day web application, e.g., websockets, databases and (of course) front-end development. Keep in mind that readers also won't find in Express.js Guide a resource for learning programming and/or JavaScript fundamentals. You might want to take a look at Rapid Prototyping with JS9 for the introduction to Node.js, MongoDB and front-end development with Backbone.js. In the real-world and especially in Node.js development, due to its modularized philosophy, we seldom use just a single framework. In the book, we have tried to stick only to Express.js and leave everything else out as much as possible, without compromising the usefulness of examples. Therefore, we intentionally left out some important chunks of web developments, for example databases, authentication and testing. Although these elements are present in tutorials and examples, they're not explained in detail. For those materials, you could check books in the Related Reading and Resources section at the end of the book. Who This Book is For This book is for people fluent in programming and front-end JavaScript. In addition, to get the most benefits, readers must be familiar with basic Node.js concepts like process and global, and know core modules, including streams, clusters and buffer type. If you're thinking of starting a Node.js app, or of rewriting an existing one, and your weapon of choice is Express.js -- this guide is for you! It will answer most of your "how" and "why" questions.

As contrary as it sounds, "planning" -- as we traditionally understand the term--can be the worst thing a company can do. Consider that volatile weather events disrupt trusted supply chains, markets, and promised delivery schedules. Ever-shifting geo-political tensions, as well as internal political upheaval within U.S. and global governments, derail long-planned new ventures. Technology failures block opportunities. Competitors suddenly change their product or release date; your team cannot meet the pace of innovations in your market niche, leaving you sidelined. There are myriad ways in the current business environment for a company's well-considered business plans to go awry. Most business schools continue to prepare managers to be effective in

stable and predictable environments, conditions that, if they ever existed at all, are long gone. The Agility Shift shows business leaders exactly how to make the radical mindset and strategy shift necessary to create an agile, entrepreneurial organization that can innovate and thrive in complex, ever-changing contexts. As author Pamela Meyer explains, there is much more involved than a reconfiguration of the org chart and job descriptions. It requires relinquishing the illusion of control at the very foundation of most management training and business practice. Despite most leaders' approaches, "Agility is not simply accelerated planning." Unlike many agility books on the market, The Agility Shift provides specific, actionable strategies and tactics for leaders at all levels of the organization to put into practice immediately to improve agility and achieve results.

The first book to cover Agile Modeling, a new modeling technique created specifically for XP projects eXtreme Programming (XP) has created a buzz in the software development community—much like Design Patterns did several years ago. Although XP presents a methodology for faster software development, many developers find that XP does not allow for modeling time, which is critical to ensure that a project meets its proposed requirements. They have also found that standard modeling techniques that use the Unified Modeling Language (UML) often do not work with this methodology. In this innovative book, Software Development columnist Scott Ambler presents Agile Modeling (AM)—a technique that he created for modeling XP projects using pieces of the UML and Rational's Unified Process (RUP). Ambler clearly explains AM, and shows readers how to incorporate AM, UML, and RUP into their development projects with the help of numerous case studies integrated throughout the book. AM was created by the author for modeling XP projects—a element lacking in the original XP design. The XP community and its creator have embraced AM, which should give this book strong market acceptance. Companion Web site at www.agilemodeling.com features updates, links to XP and AM resources, and ongoing case studies about agile modeling.

The digital age has presented an exponential growth in the amount of data available to individuals looking to draw conclusions based on given or collected information across industries. Challenges associated with the analysis, security, sharing, storage, and visualization of large and complex data sets continue to plague data scientists and analysts alike as traditional data processing applications struggle to adequately manage big data. Big Data: Concepts, Methodologies, Tools, and Applications is a multi-volume compendium of research-based perspectives and solutions within the realm of large-scale and complex data sets. Taking a multidisciplinary approach, this publication presents exhaustive coverage of crucial topics in the field of big data including diverse applications, storage solutions, analysis techniques, and methods for searching and transferring large data sets, in addition to security issues. Emphasizing essential research in the field of data science, this publication is an ideal reference source for data analysts, IT professionals, researchers, and academics.

Printed in full color. Faced with a software project of epic proportions? Tired of over-committing and under-delivering? Enter the dojo of the agile samurai, where agile expert Jonathan Rasmusson shows you how to kick-start, execute, and deliver your agile projects. Combining cutting-edge tools with classic agile practices, The Agile Samurai gives you everything you need to deliver something of value every week and make rolling your software into production a non-event. Get ready to kick some software project butt. By learning the ways of the agile samurai you will discover: how to create plans and schedules your customer and your team can believe in what characteristics make a good agile team and how to form your own how to gather requirements in a fraction of the time using agile user stories what to do when you discover your schedule is wrong, and how to look like a pro correcting it how to execute fiercely by leveraging the power of agile software engineering practices By the end of this book you will know everything you need to set up, execute, and successfully deliver agile projects, and have fun along the way. If you're a project lead, this book gives you the tools to set up and lead your agile project from start to finish. If you are an analyst, programmer, tester, usability designer, or project manager, this book gives you the insight and foundation necessary to become a valuable agile team member. The Agile Samurai slices away the fluff and theory that make other books less-than-agile. It's packed with best practices, war stories, plenty of humor and hands-on tutorial exercises that will get you doing the right things, the right way. This book will make a difference.

Prototyping is a great way to communicate the intent of a design both clearly and effectively. Prototypes help you to flesh out design ideas, test assumptions, and gather real-time feedback from users. With this book, Todd Zaki Warfel shows how prototypes are more than just a design tool by demonstrating how they can help you market a product, gain internal buy-in, and test feasibility with your development team.

Rapid Prototyping with JS Agile JavaScript Development Azat Mardan

Agile Values and Principles for a New Generation “In the journey to all things Agile, Uncle Bob has been there, done that, and has the both the t-shirt and the scars to show for it. This delightful book is part history, part personal stories, and all wisdom. If you want to understand what Agile is and how it came to be, this is the book for you.” —Grady Booch “Bob’s frustration colors every sentence of Clean Agile, but it’s a justified frustration. What is in the world of Agile development is nothing compared to what could be. This book is Bob’s perspective on what to focus on to get to that ‘what could be.’ And he’s been there, so it’s worth listening.” —Kent Beck “It’s good to read Uncle Bob’s take on Agile. Whether just beginning, or a seasoned Agilista, you would do well to read this book. I agree with almost all of it. It’s just some of the parts make me realize my own shortcomings, dammit. It made me double-check our code coverage (85.09%).” —Jon Kern Nearly twenty years after the Agile Manifesto was first presented, the legendary Robert C. Martin (“Uncle Bob”) reintroduces Agile values and principles for a new generation—programmers and nonprogrammers alike. Martin, author of Clean Code and other highly influential software development guides, was there at Agile’s founding. Now, in Clean Agile: Back to Basics, he strips away misunderstandings and distractions that over the years have made it harder to use Agile than was originally intended. Martin describes what Agile is in no uncertain terms: a small discipline that helps small teams manage small projects . . . with huge implications because every big project is comprised of many small projects. Drawing on his fifty years’ experience with projects of every conceivable type, he shows how Agile can help you bring true professionalism to software development. Get back to the basics—what Agile is, was, and should always be Understand the origins, and proper practice, of SCRUM Master essential business-facing Agile practices, from small releases and acceptance tests to whole-team communication Explore Agile team members’ relationships with each other, and with their product Rediscover indispensable Agile technical practices: TDD, refactoring, simple design, and pair programming Understand the central roles values and craftsmanship play in your Agile team’s success If you want Agile’s true benefits, there are no shortcuts: You need to do Agile

right. Clean Agile: Back to Basics will show you how, whether you're a developer, tester, manager, project manager, or customer. Register your book for convenient access to downloads, updates, and/or corrections as they become available. See inside book for details.

"To all who love the God with a 1000 names and respect science" In the last quarter century, the academic field of Science and Theology (Religion) has attracted scholars from a wide variety of disciplines. The question is, which disciplines are attracted and what do these disciplines have to contribute to the debate? In order to answer this question, the encyclopedia maps the (self)-identified disciplines and religious traditions that participate or might come to participate in the Science and Religion debate. This is done by letting each representative of a discipline and tradition answer specific chosen questions. They also need to identify the discipline in relation to the Science and Religion debate. Understandably representatives of several disciplines and traditions answered in the negative to this question. Nevertheless, they can still be important for the debate; indeed, scholars and scientists who work in the field of Science and Theology (Religion) may need knowledge beyond their own specific discipline. Therefore the encyclopedia also includes what are called general entries. Such entries may explain specific theories, methods, and topics. The general aim is to provide a starting point for new lines of inquiry. It is an invitation for fresh perspectives on the possibilities for engagement between and across sciences (again which includes the social and human sciences) and religions and theology. This encyclopedia is a comprehensive reference work for scholars interested in the topic of 'Science and Religion.' It covers the widest spectrum possible of academic disciplines and religious traditions worldwide, with the intent of laying bare similarities and differences that naturally emerge within and across disciplines and religions today. The A-Z format throughout affords easy and user-friendly access to relevant information. Additionally, a systematic question-answer format across all Sciences and Religions entries affords efficient identification of specific points of agreement, conflict, and disinterest across and between sciences and religions. The extensive cross-referencing between key words, phrases, and technical language used in the entries facilitates easy searches. We trust that all of the entries have something of value for any interested reader. Anne L.C. Runehov and Lluís Oviedo

Thriving in today's marketplace frequently depends on making a transformation to become more agile. Those successful in the transition enjoy faster delivery speed and ROI, higher satisfaction, continuous improvement, and additional benefits. Based on actual events, Agile Transformation: A Brief Story of How an Entertainment Company Developed New Capabilities and Unlocked Business Agility to Thrive in an Era of Rapid Change provides a revealing behind-the-scenes account of a successful agile implementation at a global entertainment company. Scott M. Graffius' first book, Agile Scrum: Your Quick Start Guide with Step-by-Step Instructions, provides readers with practical information they can use to get benefits from the most popular agile framework, Scrum. It presents top practices from successful implementations based on Scott's hands-on experience and 116 diverse sources such as the Scrum Alliance, the Project Management Institute, MIT, the IEEE, Gartner, and the Software Engineering Institute. BookAuthority named Agile Scrum: Your Quick Start Guide with Step-by-Step Instructions "One of the Best Scrum Books of All Time." The publication garnered 17 first place awards from national and international competitions. Scott and his book have been featured in Yahoo Finance, Computer Weekly, the PM World Journal, Learning Solutions, Innovation Management, and additional media publications. In Agile Transformation: A Brief Story of How an Entertainment Company Developed New Capabilities and Unlocked Business Agility to Thrive in an Era of Rapid Change, Scott shares a behind-the-scenes account of a successful agile implementation at a global entertainment company. The story is based on actual events and it's told from Scott's perspective as an agile coach. The transformation dramatically improved the way the organization works and delivers business value. New capabilities and practices enabled the enterprise to adapt to its changing environment, move faster, and drive innovation, which made it more competitive and prosperous.

This book constitutes the refereed proceedings of the 17th International Conference on Web Engineering, ICWE 2017, held in Rome, Italy, in June 2017. The 20 full research papers and 12 short papers presented together with 6 application papers, 6 demonstration papers, and 6 contributions to the PhD Symposium, were carefully reviewed and selected from 139 submissions. The papers cover research areas such as Web application modeling and engineering, human computation and crowdsourcing applications, Web applications composition and mashup, Social Web applications, Semantic Web applications, Web of Things applications, and big data.

Human Resources Disrupted!. This book is a detailed analysis of what causes HR disruptions, in both positive and negative ways. It is about CEO and CHRO's role and their influence in building organizations or destroying value while struggling to understand digital business models, products, customers and high performing cultures. The book contains best practice examples of people disruptors, digital strategies for talent management, predictions, trends, HR functions going out of fashion, digital climate possibilities, Value based cultures, organizational design, HR tech elements, HR knowledge management, organization re roles and HR business model based structural options, detailed surveys, tests, methodologies on Talent Strategies etc. At the core Talent Rules!

Summary React Quickly is for anyone who wants to learn React.js fast. This hands-on book teaches you the concepts you need with lots of examples, tutorials, and a large main project that gets built throughout the book. Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications. About the Technology Successful user interfaces need to be visually interesting, fast, and flowing. The React.js JavaScript library supercharges view-heavy web applications by improving data flow between UI components. React sites update visual elements efficiently and smoothly, minimizing page reloads. React is developer friendly, with a strong ecosystem to support the dev process along the full application stack. And because it's all JavaScript, React is instantly familiar. About the Book React Quickly is the tutorial for web developers who want to get started fast with React.js. Following carefully chosen and clearly explained examples, you'll learn React development using your existing JavaScript and web dev skills. You'll explore a host of different projects as you learn about web components, forms, and data. What's Inside Master React fundamentals Build full web apps with data and routing Test components Optimize React apps About the Reader This book is for developers comfortable building web applications with JavaScript. About the Author Azat Mardan is a Tech Fellow at Capital One with extensive experience using and teaching JavaScript and Node, and author of several books on JavaScript, Node, React, and Express. Table of Contents PART 1 - REACT FOUNDATION Meeting React Baby steps with React Introduction to JSX Making React interactive with states React component lifecycle events Handling events in React Working with forms in React Scaling React components Project: Menu component Project:

Tooltip component Project: Timer component PART 2 - REACT ARCHITECTURE The Webpack build tool React routing Working with data using Redux Working with data using GraphQL Unit testing React with Jest React on Node and Universal JavaScript Project: Building a bookstore with React Router Project: Checking passwords with Jest Project: Implementing autocomplete with Jest, Express, and MongoDB APPENDIXES Appendix A - Installing applications used in this book Appendix B - React cheatsheet Appendix C - Express.js cheatsheet Appendix D - MongoDB and Mongoose cheatsheet Appendix E - ES6 for success

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This book contains the refereed proceedings of the 17th International Conference on Agile Software Development, XP 2016, held in Edinburgh, UK, in May 2016. While agile development has already become mainstream in industry, this field is still constantly evolving and continues to spur an enormous interest both in industry and academia. To this end, the XP conference attracts a large number of software practitioners and researchers, providing a rare opportunity for interaction between the two communities. The 14 full papers accepted for XP 2016 were selected from 42 submissions. Additionally, 11 experience reports (from 25 submissions) 5 empirical studies (out of 12 submitted) and 5 doctoral papers (from 6 papers submitted) were selected, and in each case the authors were shepherded by an experienced researcher. Generally, all of the submitted papers went through a rigorous peer-review process.

Mobile Python is the introduction of Python programming language to the mobile space. This practical hands-on book teaches readers how to realize their application ideas on the Symbian OS. Programming on the Symbian mobile platform has been difficult and time consuming in the past. This innovative new title will remedy this problem. Chapters deal with topics that are based on Python S60 features and presented in an order that lets the user learn first the “simple to code” ones and then increasing in complexity.

Agile Oracle Application Express shows how skilled, motivated, and self-organizing developers can realize extraordinary commercial benefits from Oracle Application Express. The secret is to couple Application Express with an agile software development approach. This book leads the way. Oracle Application Express is well-suited to agile processes, with its support for rapid prototyping and team development. Application Express supports a gamut of enabling technologies such as SQL, HTML, CSS, JavaScript, and more that enable you to deliver any type of web application to meet your development needs. Agile Oracle Application Express helps you take the feature set of Application Express and marry it with the processes of agile development to iteratively design, create, and deliver quality applications on time and within budget.

Express.js Deep API Reference is your short, concise guide to Express.js APIs. This flexible Node.js web application framework provides a robust set of features for building single, multi-page, and hybrid web applications. Through six to-the-point chapters, you will find references for configurations, settings, environments, middleware, templating engines (including Consolidate.js), extract parameters, routing, request handlers, response, and streams. Written by Azat Mardan, the author of Pro Express.js and Practical Node.js, you will find this short, concise guide indispensable for your Express.js work.

User experience (UX) design has traditionally been a deliverables-based practice, with wireframes, site maps, flow diagrams, and mockups. But in today’s web-driven reality, orchestrating the entire design from the get-go no longer works. This hands-on book demonstrates Lean UX, a deeply collaborative and cross-functional process that lets you strip away heavy deliverables in favor of building shared understanding with the rest of the product team. Lean UX is the evolution of product design; refined through the real-world experiences of companies large and small, these practices and principles help you maintain daily, continuous engagement with your teammates, rather than work in isolation. This book shows you how to use Lean UX on your own projects. Get a tactical understanding of Lean UX—and how it changes the way teams work together Frame a vision of the problem you’re solving and focus your team on the right outcomes Bring the designer’s tool kit to the rest of your product team Break down the silos created by job titles and learn to trust your teammates Improve the quality and productivity of your teams, and focus on validated experiences as opposed to deliverables/documents Learn how Lean UX integrates with Agile UX

Für produzierende Start-ups ist der Aufbau der Produktionsfähigkeit und die schnelle Markteinführung der Produkte ein entscheidender Erfolgsfaktor. Die Fabrikplanung befindet

sich dabei in einem ein Spannungsfeld aus detaillierter Planung unter unsicheren Rahmenbedingungen und der schnellen Realisierung der Fabrik. Durch die Einführung des Minimum Viable Production Systems wird im Rahmen dieser Arbeit ein agiles iteratives Planungsvorgehen zur Planung unter Unsicherheit entwickelt.

Get to grips with the AWS Amplify framework and use it to build scalable cloud-native progressive web apps with React and cross-platform mobile apps with React Native in TypeScript Key Features Explore the capabilities of AWS Amplify with popular app frameworks for both web and mobile app platforms Build your first cloud-native web and mobile applications using AWS Amplify Leverage AWS Amplify to design GraphQL APIs for your web and mobile applications Book Description AWS Amplify is a modern toolkit that includes a command line interface (CLI); libraries for JS, iOS, and Android programming; UI component libraries for frameworks like React, Angular, and Vue.js for web development, and React Native and Flutter for mobile development. You'll begin by learning how to build AWS Amplify solutions with React and React Native with TypeScript from scratch, along with integrating it with existing solutions. This book will show you the fastest way to build a production-ready minimum viable product (MVP) within days instead of years. You'll also discover how to increase development speed without compromising on quality by adopting behavior-driven development (BDD) and Cypress for end-to-end test automation, as well as the Amplify build pipeline (DevOps or CI/CD pipeline) to ensure optimal quality throughout continuous test automation and continuous delivery. As you advance, you'll work with React to determine how to build progressive web apps (PWAs) with Amplify and React Native for cross-platform mobile apps. In addition to this, you'll find out how to set up a custom domain name for your new website and set up the AWS Amplify Admin UI for managing the content of your app effectively. By the end of this AWS book, you'll be able to build a full-stack AWS Amplify solution all by yourself. What you will learn Build React and React Native apps with Amplify and TypeScript Explore pre-built Amplify UI components for rapid prototyping Add user management with Amplify authentication to your app Use Amplify GraphQL to create a blog post Discover how to upload photos to Amplify Storage Enable DevOps with the Amplify pipeline for your app Get to grips with BDD and test automation with Cypress and Cucumber Set up a custom domain name for your website and manage app content with the Amplify Admin UI Who this book is for This book is for developers and tech companies looking to develop cloud-native products rapidly with the AWS ecosystem. Web and mobile developers with little-to-no experience in TypeScript programming will also find this book helpful. Although no prior experience with AWS or TypeScript is required, basic familiarity with modern frameworks such as React and React Native is useful.

Learn how to make an impact in the web world. This short book shows you that the best way to become an expert and a thought leader is to thoroughly research a topic and then publish a book on it. The great thing about writing a book is that you don't have to risk anything - all you need is a few hours of writing per week and in no time you can have your own book that you can sell, give away at conferences, and prominently feature on your resume. Since author Azat Mardan published his first book, several high profile tech companies have tried to recruit him and his experience is not an exception! Write Your Way To Success covers everything that he has learned through publishing – see how you can do the same! What You'll Learn Create passive income Review the process of a ProgWriter Examine practical tips about publishing and marketing Who This Book Is For Any experts (or wannabe experts) in technical topics, tools, frameworks for web development, applied computer science, dev ops and QA.

In the new world of work, agility is a business imperative. From small tech start-ups or large traditional companies, organizations need to be fast, flexible and digitally empowered to succeed. However, too many companies are stuck with siloed, compliance-driven HR processes that work in opposition to the business rather than supporting it. This results in the view that HR is slow and out of touch. However, Agile HR shows that this doesn't need to be the case. It is a practical guide written specifically for people professionals on how the HR function can develop agile processes and practices that save time, boost performance and support overall business goals. Covering every aspect of the HR function from people processes, ways of working and HR services to organization design, operating models and HR teams, Agile HR is an essential guide for all HR practitioners wanting to make their HR practices agile and drive business performance but don't know where to start. As well as guidance on how to deal with resistance, manage a backlog and deal with constraints, there is also invaluable guidance on how HR can prioritize effectively and assess which activities to pursue, which to develop, which to rework and which to abandon in order to achieve continuous business improvement. Supported by case studies from organizations who have seen the benefits of an agile approach to HR including Sky Betting & Gaming and MUJI, this is critical reading for all HR professionals in organizations of any size needing to adopt fast, flexible and evolving agile approaches to effectively compete in the new world of work.

Collection of 120 peer-reviewed papers that were presented at the 3rd International Conference on Advanced Research in Virtual and Rapid Prototyping, held in Leiria, Portugal in September 2007. Essential reading for all those working on V&RP, focused on inducing increased collaboration between industry and academia. In addition to key

This book constitutes the refereed proceedings of the 15th International Conference on Electronic Commerce, ICEC 2013, held in Turku, Finland, in August 2013. The theme of ICEC 2013 was "effective, agile, and trusted e-services co-creation" and reflects the alignment between computerized, formalized business procedures with the need to flexibly adapt and innovate businesses on the spot according to changing customer needs and requirements. The 13 papers published in this book were carefully reviewed and selected from more than 50 submissions, resulting in an acceptance rate of less than 25%. They are organized in topical sections on online advertisements and referential systems, recommender systems and pricing, social media, mobile services, business models, and societal implications.

Practical Node.js is your step-by-step guide to learning how to build a wide range of scalable real-world web applications using a professional development toolkit. Node.js is an innovative and highly efficient platform for creating web services. But Node.js doesn't live in a vacuum! In a modern web development, many different components need to be put together — routing, database driver, ORM, session management, OAuth, HTML template engine, CSS compiler and many more. If you already know the basics of Node.js, now is the time to discover how to bring it to production level by leveraging its vast ecosystem of packages. As a web developer, you'll work with a varied collection of standards and frameworks - Practical Node.js shows you how all those pieces fit together. Practical Node.js takes you from installing all the necessary modules to writing full-stack web applications by harnessing the power of the Express.js and Hapi

frameworks, the MongoDB database with Mongoskin and Mongoose, Jade and Handlebars template engines, Stylus and LESS CSS languages, OAuth and Everyauth libraries, and the Socket.IO and Derby libraries, and everything in between. The book also covers how to deploy to Heroku and AWS, daemonize apps, and write REST APIs. You'll build full-stack real-world Node.js apps from scratch, and also discover how to write your own Node.js modules and publish them on NPM. You already know what Node.js is; now learn what you can do with it and how far you can take it!

The Web is slowly but surely changing from a model in which a human reader browses content on web pages to a model in which services and clients (not necessarily humans) exchange information. And because of this, author Silvia Puglisi explains, it makes more sense to build platforms instead of just products or applications. Platforms are like ecosystems interconnecting different applications, services, users, developers, and partners, and offer many benefits. In this book, you'll learn how to design and develop Representational State Transfer (REST) platforms in Rails. You'll begin with an introduction to Ruby on Rails, and then move quickly through new concepts. At the end of each chapter, you'll have learned something new about building and organically extending a multi-service platform spanning different devices—and will have had some fun in the process. By the end of the book you'll know how to build an architecture composed of different services accessing shared resources through a set of collaborating APIs and applications. Explore the basics of REST and HTTP, including REST architecture and the role of hypermedia Get to know Rails and Ruby on Rails Learn about API development and create an API Take a thorough look at REST, including Asynchronous REST and testing RESTful services Work with data streams as you map them onto an application UI and integrate external APIs in your application Learn about device-independent development Use data analytics to recognize important events, develop key metrics, and track them Explore various tools you can use to build your own data analytic platform Learn how to scale a Rails application successfully Examine privacy and security issues and the implications of handling and collecting user data

Rapid prototyping is an exciting new technology used to create physical models and functional prototypes directly from CAD models. Rapid tooling concerns the production of tooling using parts manufactured by rapid prototyping. The book describes the characteristics and capabilities of the main known rapid prototyping processes. It covers in detail various commercially available processes such as: Stereolithography (SLA), Selective Laser Sintering (SLS), and others. The text places a strong emphasis on practical applications and contains an abundance of photographs and diagrams to illustrate clearly the principles of the machines and processes involved.

"This book provides the research and instruction used to develop and implement software quickly, in small iteration cycles, and in close cooperation with the customer in an adaptive way, making it possible to react to changes set by the constant changing business environment. It presents four values explaining extreme programming (XP), the most widely adopted agile methodology"--Provided by publisher.

From the beginning of software time, people have wondered why it isn't possible to accelerate software projects by simply adding staff. This is sometimes known as the "nine women can't make a baby in one month" problem. The most famous treatise declaring this to be impossible is Fred Brooks' 1975 book *The Mythical Man-Month*, in which he declares that "adding more programmers to a late software project makes it later," and indeed this has proven largely true over the decades. Aided by a domain-driven code generator that quickly creates database and API code, Parallel Agile (PA) achieves significant schedule compression using parallelism: as many developers as necessary can independently and concurrently develop the scenarios from initial prototype through production code. Projects can scale by elastic staffing, rather than by stretching schedules for larger development efforts. Schedule compression with a large team of developers working in parallel is analogous to hardware acceleration of compute problems using parallel CPUs. PA has some similarities with and differences from other Agile approaches. Like most Agile methods, PA "gets to code early" and uses feedback from executable software to drive requirements and design. PA uses technical prototyping as a risk-mitigation strategy, to help sanity-check requirements for feasibility, and to evaluate different technical architectures and technologies. Unlike many Agile methods, PA does not support "design by refactoring," and it doesn't drive designs from unit tests. Instead, PA uses a minimalist UML-based design approach (Agile/ICONIX) that starts out with a domain model to facilitate communication across the development team, and partitions the system along use case boundaries, which enables parallel development. Parallel Agile is fully compatible with the Incremental Commitment Spiral Model (ICSM), which involves concurrent effort of a systems engineering team, a development team, and a test team working alongside the developers. The authors have been researching and refining the PA process for several years on multiple test projects that have involved over 200 developers. The book's example project details the design of one of these test projects, a crowdsourced traffic safety system.

This book constitutes the refereed proceedings of the 18th International Conference on Web Engineering, ICWE 2018, held in Cáceres, Spain, in June 2018. The 18 full research papers and 17 short papers presented together with 2 practice papers, 6 demonstration papers, and 5 tutorials were carefully reviewed and selected from 103 submissions. The papers cover research areas such as Web application modeling and engineering; Web infrastructures and architectures; execution models; human computation and crowdsourcing applications; Web application composition and mashups; Social Web applications; Semantic Web applications; Web of Things applications; big data and data analytics; and security, privacy, and identity.

Rapid Prototyping with JS: Agile JavaScript Development is a hands-on book which introduces you to agile JavaScript web and mobile software development using the latest cutting-edge front-end and back-end technologies including: Node.js, Backbone.js, MongoDB and others. More information at <http://rpjs.co>. This book was borne out of frustration. I have been in software engineering for many years, and when I started learning Node.js and Backbone.js, I learned the hard way that their official documentation and the Internet lack in quick start guides and examples. Needless to say, it was virtually impossible to find all of the tutorials for JS-related modern technologies in one place. The best way to learn is to do, right? Therefore, I've used the approach of small simple examples, i.e., quick start guides, to expose myself to the new cool tech. After I was done with the basic apps, I needed some references and organization. I started to write this manual mostly for myself, so I can understand the concepts better and refer to the samples later. Then StartupMonthly and I taught a few 2-day intensive classes on the same subject -- helping experienced developers to jump-start their careers with agile JavaScript development. The manual we used was updated and iterated many times based on the feedback received. The end result is this book. What to Expect A typical reader of RPJS should expect a collection of quick start guides, tutorials and suggestions (e.g., Git workflow). There is a lot of

coding and not much theory. All the theory we cover is directly related to some of the practical aspects, and essential for better understanding of technologies and specific approaches in dealing with them, e.g., JSONP and cross-domain calls. In addition to coding examples, the book covers virtually all setup and deployment step-by-step. You'll learn on the examples of Chat web/mobile applications starting with front-end components. There are a few versions of these applications, but by the end we'll put front-end and back-end together and deploy to the production environment. The Chat application contains all of the necessary components typical for a basic web app, and will give you enough confidence to continue developing on your own, apply for a job/promotion or build a startup! Who This Book is For The book is designed for advanced-beginner and intermediate-level web and mobile developers: somebody who has been (or still is) an expert in other languages like Ruby on Rails, PHP, Perl, Python or/and Java. The type of a developer who wants to learn more about JavaScript and Node.js related techniques for building web and mobile application prototypes fast. Our target user doesn't have time to dig through voluminous (or tiny, at the other extreme) official documentation. The goal of Rapid Prototyping with JS is not to make an expert out of a reader, but to help him/her to start building apps as soon as possible. Rapid Prototyping with JS: Agile JavaScript Development, as you can tell from the name, is about taking your idea to a functional prototype in the form of a web or a mobile application as fast as possible. This thinking adheres to the Lean Startup³⁰ methodology; therefore, this book would be more valuable to startup founders, but big companies' employees might also find it useful, especially if they plan to add new skills to their resumes. What This Book is Not Rapid Prototyping with JS is neither a comprehensive book on several frameworks, libraries or technologies (or just a particular one), nor a reference for all the tips and tricks of web development. Examples similar to ones in this book might be publicly available online. Even more so, if you're not familiar with fundamental programming concepts like loops, if/else statements, arrays, hashes, object and functions, you won't find them in Rapid Prototyping with JS.

The organization pursuing digital transformation must embrace new ways to use and deploy integration technologies, so they can move quickly in a manner appropriate to the goals of multicloud, decentralization, and microservices. The integration layer must transform to allow organizations to move boldly in building new customer experiences, rather than forcing models for architecture and development that pull away from maximizing the organization's productivity. Many organizations have started embracing agile application techniques, such as microservice architecture, and are now seeing the benefits of that shift. This approach complements and accelerates an enterprise's API strategy. Businesses should also seek to use this approach to modernize their existing integration and messaging infrastructure to achieve more effective ways to manage and operate their integration services in their private or public cloud. This IBM® Redbooks® publication explores the merits of what we refer to as agile integration; a container-based, decentralized, and microservice-aligned approach for integration solutions that meets the demands of agility, scalability, and resilience required by digital transformation. It also discusses how the IBM Cloud Pak for Integration marks a significant leap forward in integration technology by embracing both a cloud-native approach and container technology to achieve the goals of agile integration. The target audiences for this book are cloud integration architects, IT specialists, and application developers.

This book constitutes the refereed proceedings of the 7th International Conference on Model and Data Engineering, MEDI 2017, held in Barcelona, Spain, in October 2017. The 20 full papers and 7 short papers presented together with 2 invited talks were carefully reviewed and selected from 69 submissions. The papers are organized in topical sections on domain specific languages; systems and software assessments; modeling and formal methods; data engineering; data exploration and exploitation; modeling heterogeneity and behavior; model-based applications; and ontology-based applications.

This is a hands-on book which introduces you to agile JavaScript web and mobile software development using the latest cutting-edge front-end and back-end technologies including: Node.js, MongoDB, Backbone.js, Parse.com, Heroku and Windows Azure. Practical examples include building multiple versions of the Chat app:•jQuery + Parse.com JS REST API•Backbone and Parse.com JS SDK•Backbone and Node.js•Backbone and Node.js + MongoDB The Chat application has all the foundation of a typical web/mobile application: fetching data, displaying it, submitting new data. Other examples in the book are as follows:•jQuery + Twitter RESP API “Tweet Analyzer”•Parse.com “Save John”•MongoDB “Print Collections”•Backbone.js “Apple Database”•Monk + Express.js “REST API Server” This book will save you many hours by providing a hand-picked and tested collection of quick start guides. RPJS has practical examples that allow to spend less time learning and more time building your own applications. Prototype fast and ship code that matters! What You will Learn: You should expect a basic understanding from a collection of quick start guides, tutorials and suggestions for the development apps discussed in this book. In addition to coding examples, the book covers virtually all setup and deployment step-by-step. You'll learn from the examples of Chat web/mobile applications starting with front-end components and by the end we'll put front-end and back-end together and deploy to the production environment. Who This Book is For: The typical programmer who wants to learn more about effective JavaScript coding.

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