

Web Architecture Pocket Guide

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LORELAI INGRID

[The Art of Network Architecture](#) Prentice Hall

I've written A Year With Symfony for you, a developer who will work with Symfony2 for more than a month (and probably more than a year). You may have started reading your way through the official documentation ("The Book"), the cookbook, some blogs, or an online tutorial. You know now how to create a Symfony2 application, with routing, controllers, entities or documents, Twig templates and maybe some unit tests. But after these basic steps, some concerns will raise about... The reusability of your code - How should you structure your code to make it reusable in a future project? Or even in the same project, but with a different view or in a console command? The quality of the internal API you have knowingly or unknowingly created - What can you do to ensure that your team members will understand your code, and will use it in the way it was meant to be used? How can you make your code flexible enough to be used in situations resembling the one you wrote it for? The level of security of your application - Symfony2 and Doctrine seem to automatically make you invulnerable for well-known attacks on your web application, like XSS, CSRF and SQL injection attacks. But can you completely rely on the framework? And what steps should you take to fix some of the remaining issues? The inner workings of Symfony2 - When you take one step further from creating just controllers and views, you will soon need to know more about the HttpKernel which is the heart of a Symfony2 application. How does it know what controller should be used, and which template? And how can you override any decision that's made while handling a request?

Mobile Applications "O'Reilly Media, Inc."

Written by industry thought leaders, Java Web Services Architecture is a no-nonsense guide to web services technologies including SOAP, WSDL, UDDI and the JAX APIs. This book is useful for systems architects and provides many of the practical considerations for implementing web services including authorization, encryption, transactions and the future of Web Services. Covers all the standards, the JAX APIs, transactions, security, and more.

[Clean Architecture](#) Cisco Press

Describes what Web 2.0 is, looks at its core patterns and architecture, and offers information on developing applications and software for it.

[Web Services Architecture and Its Specifications](#) Routledge

This pocket book includes everyday information which the architect/designer has to find from a wide variety of sources. The book includes data about planning, structure, services, building elements, materials and useful addresses.

[Functional Design and Architecture](#) Addison-Wesley

Have you heard about the tremendous success Amazon and Netflix have had by switching to a microservice architecture? Are you wondering how this can benefit your company? Or are you skeptical about how it might work? If you've answered yes to any of these questions, this practical book will benefit you. You'll learn how to take advantage of the microservice architectural style for building systems, and learn from the experiences of others to adopt and execute this approach most successfully.

[Architecture of Complex Web Applications](#) Packt Publishing Ltd

Salary surveys worldwide regularly place software architect in the top 10 best jobs, yet no real guide exists to help developers become architects. Until now. This book provides the first comprehensive overview of software architecture's many aspects. Aspiring and existing architects alike will examine architectural characteristics, architectural patterns, component determination, diagramming and presenting architecture, evolutionary architecture, and many other topics. Mark Richards and Neal Ford—hands-on practitioners who have taught software architecture classes professionally for years—focus on architecture principles that apply across all technology stacks. You'll explore software architecture in a modern light, taking into account all the innovations of the past decade. This book examines: Architecture patterns: The technical basis for many architectural decisions Components: Identification, coupling, cohesion, partitioning, and granularity Soft skills: Effective team management, meetings, negotiation, presentations, and more Modernity: Engineering practices and operational approaches that have changed radically in the past few years Architecture as an engineering discipline: Repeatable results, metrics, and concrete valuations that add rigor to software architecture

Microservice Architecture Springer

The software development ecosystem is constantly changing,

providing a constant stream of new tools, frameworks, techniques, and paradigms. Over the past few years, incremental developments in core engineering practices for software development have created the foundations for rethinking how architecture changes over time, along with ways to protect important architectural characteristics as it evolves. This practical guide ties those parts together with a new way to think about architecture and time.

[Software Systems Architecture](#) Packt Publishing Ltd

If you're involved in planning IT infrastructure as a network or system architect, system administrator, or developer, this book will help you adapt your skills to work with these highly scalable, highly redundant infrastructure services. While analysts hotly debate the advantages and risks of cloud computing, IT staff and programmers are left to determine whether and how to put their applications into these virtualized services. Cloud Application Architectures provides answers -- and critical guidance -- on issues of cost, availability, performance, scaling, privacy, and security. With Cloud Application Architectures, you will:

- Understand the differences between traditional deployment and cloud computing
- Determine whether moving existing applications to the cloud makes technical and business sense
- Analyze and compare the long-term costs of cloud services, traditional hosting, and owning dedicated servers
- Learn how to build a transactional web application for the cloud or migrate one to it
- Understand how the cloud helps you better prepare for disaster recovery
- Change your perspective on application scaling
- To provide realistic examples of the book's principles in action, the author delves into some of the choices and operations available on Amazon Web Services, and includes high-level summaries of several of the other services available on the market today.

Cloud Application Architectures provides best practices that apply to every available cloud service. Learn how to make the transition to the cloud and prepare your web applications to succeed.

[Principles of Package Design](#) "O'Reilly Media, Inc."

Learn from the pros! Illustrated throughout with full-color images of top sites -- including those of Starbucks, Purina, the Getty Center, Salon Magazine, and Carnegie Hall -- this hands-on guide is your blueprint for successful Web architecture. Each chapter explores a different secret, from building a hierarchy and mapping links to developing vivid themes and planning for expansion. Drawing on interviews with top Web architects, author Clay Andres shows you how to construct easy-to-navigate, aesthetically pleasing sites that elegantly project your identity while solving real-world business challenges.

[Scalable Internet Architectures](#) Packt Publishing Ltd

This is the eagerly-anticipated revision to one of the seminal books in the field of software architecture which clearly defines and explains the topic.

Programming JavaScript Applications "O'Reilly Media, Inc."

Discusses Web site hierarchy, usability, navigation systems, content labeling, configuring search systems, and managing the information architecture development process.

Morgan Kaufmann

The Comprehensive, Proven Approach to IT Scalability—Updated with New Strategies, Technologies, and Case Studies In *The Art of Scalability*, Second Edition, leading scalability consultants Martin L. Abbott and Michael T. Fisher cover everything you need to know to smoothly scale products and services for any requirement. This extensively revised edition reflects new technologies, strategies, and lessons, as well as new case studies from the authors' pioneering consulting practice, AKF Partners. Writing for technical and nontechnical decision-makers, Abbott and Fisher cover everything that impacts scalability, including architecture, process, people, organization, and technology. Their insights and recommendations reflect more than thirty years of experience at companies ranging from eBay to Visa, and Salesforce.com to Apple. You'll find updated strategies for structuring organizations to maximize agility and scalability, as well as new insights into the cloud (IaaS/PaaS) transition, NoSQL, DevOps, business metrics, and more. Using this guide's tools and advice, you can systematically clear away obstacles to scalability—and achieve unprecedented IT and business performance. Coverage includes

- Why scalability problems start with organizations and people, not technology, and what to do about it
- Actionable lessons from real successes and failures
- Staffing, structuring, and leading the agile, scalable organization
- Scaling processes for hyper-growth environments
- Architecting scalability: proprietary models for clarifying needs and making choices—including 15 key success principles
- Emerging technologies and challenges: data cost, datacenter planning, cloud evolution, and customer-aligned monitoring
- Measuring

availability, capacity, load, and performance

[Building Scalable Web Sites](#) Rotovision

Apply design principles to your classes, preparing them for reuse. You will use package design principles to create packages that are just right in terms of cohesion and coupling, and are user- and maintainer-friendly at the same time. The first part of this book walks you through the five SOLID principles that will help you improve the design of your classes. The second part introduces you to the best practices of package design, and covers both package cohesion principles and package coupling principles. Cohesion principles show you which classes should be put together in a package, when to split packages, and if a combination of classes may be considered a "package" in the first place. Package coupling principles help you choose the right dependencies and prevent wrong directions in the dependency graph of your packages. What You'll Learn Apply the SOLID principles of class design Determine if classes belong in the same package Know whether it is safe for packages to depend on each other Who This Book Is For Software developers with a broad range of experience in the field, who are looking for ways to reuse, share, and distribute their code

[Get Your Hands Dirty on Clean Architecture](#) Microsoft Press

Developers, Web service architects, and business decision-makers contemplating Web services can all benefit from this concise guide that brings together the essential information and necessary resources about the specifications that define the Web Services Architecture and details the underlying specifications for Web Services Enhancements with Microsoft Visual Studio® 2005. Original. (All users)

[500 Lines Or Less](#) "O'Reilly Media, Inc."

Information Architecture: Blueprints for the Web, Second Edition introduces the core concepts of information architecture: organizing web site content so that it can be found, designing website interaction so that it's pleasant to use, and creating an interface that is easy to understand. This book helps designers, project managers, programmers, and other information architecture practitioners avoid costly mistakes by teaching the skills of information architecture swiftly and clearly.

[Great Web Architecture](#) Web Application Architecture

Take advantage of JavaScript's power to build robust web-scale or enterprise applications that are easy to extend and maintain. By applying the design patterns outlined in this practical book, experienced JavaScript developers will learn how to write flexible and resilient code that's easier—yes, easier—to work with as your code base grows. JavaScript may be the most essential web programming language, but in the real world, JavaScript applications often break when you make changes. With this book, author Eric Elliott shows you how to add client- and server-side features to a large JavaScript application without negatively affecting the rest of your code. Examine the anatomy of a large-scale JavaScript application Build modern web apps with the capabilities of desktop applications Learn best practices for code organization, modularity, and reuse Separate your application into different layers of responsibility Build efficient, self-describing hypermedia APIs with Node.js Test, integrate, and deploy software updates in rapid cycles Control resource access with user authentication and authorization Expand your application's reach through internationalization

[Software Architecture with C++](#) "O'Reilly Media, Inc."

Imagine what a large-scale web project would look like if frontend development were not treated as an add-on, but as an equal partner with backend development and content strategy. This practical book takes experienced web developers through the new discipline of frontend architecture, including the latest tools, standards, and best practices that have elevated frontend web development to an entirely new level. Using real-world examples, case studies, and practical tips and tricks throughout, author Micah Godbolt introduces you to the four pillars of frontend architecture. He also provides compelling arguments for developers who want to embrace the mantle of frontend architect and fight to make it a first-class citizen in their next project. The four pillars include: Code: how to approach the HTML, CSS, and JavaScript of a design system Process: tools and processes for creating an efficient and error-proof workflow Testing: creating a stable foundation on which to build your site Documentation: tools for writing documentation while the work is in progress

Frontend Architecture for Design Systems Wiley

Web Application Architecture Wiley

Architecting High Performing, Scalable and Available

Enterprise Web Applications "O'Reilly Media, Inc."

Spending on worldwide wireless and mobile network infrastructure will rise by \$10.7 billion between 2002 and 2007. In

this new resource, the authors provide technology-independent principles and practices that no mobile application developer should be without. This book illustrates specific details of mobile technologies and includes mobile application case studies.

[Fundamentals of Software Architecture](#) Apress

In-depth examination of concepts and principles of Web application development Completely revised and updated, this popular book returns with coverage on a range of new technologies. Authored by a highly respected duo, this edition provides an in-depth examination of the core concepts and

general principles of Web application development. Packed with examples featuring specific technologies, this book is divided into three sections: HTTP protocol as a foundation for Web applications, markup languages (HTML, XML, and CSS), and survey of emerging technologies. After a detailed introduction to the history of Web applications, coverage segues to core Internet protocols, Web browsers, Web application development, trends and directions, and more. Includes new coverage on technologies such as application primers, Ruby on Rails, SOAP, XPath, P3P, and

more Explores the fundamentals of HTTP and its evolution Looks at HTML and its roots as well as XML languages and applications Reviews the basic operation of Web Servers, their functionality, configuration, and security Discusses how to process flow in Web browsers and looks at active browser pages Addresses the trends and various directions that the future of Web application frameworks may be headed This book is essential reading for anyone who needs to design or debug complex systems, and it makes it easier to learn the new application programming interfaces that arise in a rapidly changing Internet environment.