



Enterprise Software Architecture and Design: Entities, Services, and Resources

By Dominic Duggan

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This book fills a gap between high-level overview texts that are often too general and low-level detail oriented technical handbooks that lose sight the "big picture". This book discusses SOA from the low-level perspective of middleware, various XML-based technologies, and basic service design. It also examines broader implications of SOA, particularly where it intersects with business process management and process modeling. Concrete overviews will be provided of the methodologies in those fields, so that students will have a hands-on grasp of how they may be used in the context of SOA.

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Editorial Review

From the Back Cover

Provides principles and best practices for the design and development of enterprise software applications

Enterprise software drives much of the world's IT systems in critical domains such as healthcare, finance, e-commerce, and government. Web services and cloud computing are two manifestations of the growing sophistication and interconnectedness of business IT processes. Despite its importance, the agreed best practices for building enterprise software are still very much a "work in progress." This text provides a timely review of the principles and practice of enterprise software architecture, including the perspectives of software-oriented architecture (SOA), domain-driven design, and representational state transfer (REST).

It also features:

- Both the implementation-oriented perspective of the hands-on developer and the design-oriented perspective of the software architect
- Discussion of the support for enterprise software development provided by popular frameworks such as Java Enterprise Edition and Windows Communication Foundation, including illustrative examples
- Discussion of trends in computer science research that promise to have a bearing on the hard problems associated with building reliable enterprise applications
- Review of basic concepts that any enterprise software developer or architect will need to understand, in programming languages and distributed systems

Intended to bridge the gap between high-level conceptual overviews and in-depth technical tutorials, *Enterprise Software Architecture and Design* is ideal for students in computer science, information systems, and systems engineering, as well as software development professionals, computer scientists, and software architects.

About the Author

Dominic Duggan, PhD, is a faculty member in the Department of Computer Science at Stevens Institute of Technology. His research interests are in the design and development of secure and reliable software systems. His publications have appeared in leading journals and conferences.

Users Review

From reader reviews:

Maria Smith:

Information is provisions for people to get better life, information these days can get by anyone at everywhere. The information can be a knowledge or any news even a problem. What people must be consider while those information which is from the former life are challenging be find than now's taking seriously which one is acceptable to believe or which one typically the resource are convinced. If you find the unstable resource then you obtain it as your main information you will have huge disadvantage for you. All those possibilities will not happen within you if you take Enterprise Software Architecture and Design:

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