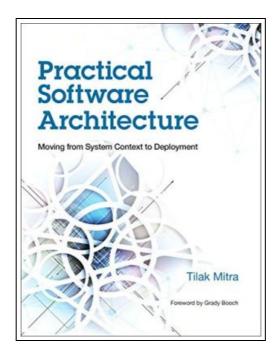
Practical Software Architecture: Moving from System Context to Deployment (Paperback)



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Reviews

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PRACTICAL SOFTWARE ARCHITECTURE: MOVING FROM SYSTEM CONTEXT TO DEPLOYMENT (PAPERBACK)



Pearson Education (US), United States, 2015. Paperback. Condition: New. Language: English . Brand New Book. Getting Architecture Just Right: Detailed Practical Guidance for Architecting Any Real-World IT ProjectTo build effective architectures, software architects must tread a fine line between precision and ambiguity (a.k.a. big animal pictures). This is difficult but crucial: Failure to achieve this balance often leads directly to poor systems design and implementation. Now, pioneering IBM Distinguished Engineer and Chief Technology Officer Tilak Mitra offers the first complete guide to developing end-to-end solution architectures that are just enough --identifying and capturing the most important artifacts, without overengineering or excessive documentation, and providing a practical approach to consistent and repeated success in defining software architectures. Practical Software Architecture provides detailed prescriptive and pragmatic guidance for architecting any real-world IT project, regardless of system, methodology, or environment. Mitra specifically identifies the artifacts that require emphasis and shows how to communicate evolving solutions with stakeholders, bridging the gap between architecture and implementation. Through a real-world case study, Mitra guides you iteratively through building an end-to-end solution architecture. Step by step, he addresses key topics in developing system contexts, architecture overviews, architecture decisions, functional models, operational models, integration patterns for systems design, infrastructure matters, and more. Throughout, you ll find clear, crisp, and accurate guidance for crafting architectures that can be confidently delivered on time and budget.Coverage IncludesUsing architecture to promote communication, enable planning, and support functional as well as nonfunctional capabilities (such as scalability, performance, maintainability, and security) Focusing on the architectural problem at hand and avoiding overreliance on theory and generalizationAn architectural introduction to analyticsCapturing just enough about system context, architecture overview, architecture decisions, functional models, and operational modelsIntegration patterns and their usage in architecture designInfrastructure matters in any software architectureA real-world case study and its software architecture.

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