Software Architectures

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Book Condition: New. Publisher/Verlag: Springer, Berlin | Advances and Applications | This volume provides a unique overview of different approaches to developing software which is flexible, adaptable and easy to maintain and reuse. Including contributions from leading researchers and practitioners, it covers the most recent advances in key research areas, and also provides the reader with scalable solutions for engineering and reengineering business processes. Features of particular interest include: coverage of frameworks, patterns, architectures and components, a comprehensive introduction to the area, an extended bibliography. This volume will be of interest to anyone researching in software engineering, object-oriented development, and architectures. It will also provide invaluable reading material for practitioners in a range of related business areas (such as avionics, banking, insurance, and commerce), and students on relevant advanced degree courses. | 1. An Introduction and History of Software Architectures, Components, and Reuse.- 1.1 Introduction.- 1.2 Software Architecture.- 1.3 Reusable Components.- 1.4 Setting a Context for Component Reuse.- 1.5 Components and How to Use Them.- 1.6 Current and Future Developments.- 2. Components, Scripts and Glue.- 2.1 Introduction.- 2.2 Motivation and State-of-the-Art.- 2.3 A Conceptual Framework for Software Composition.- 2.3.1 Terminology.- 2.3.2 Concepts in Practice.- 2.3.3 Other Aspects of the Conceptual...

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