Software Architecture and Design Illuminated

By Chong-Wei Xu,Jorge L. Diaz-Herrera,Kai Qian,Lixin Tao,Xiang Fu

Jones & Bartlett India Private Limited/Viva Books, 2010. Softcover. Book Condition: New. First edition. The SE 2004 of the ACM/IEEE computing curriculum project recommends software design and architecture as one of its ten essential areas of study. Software Architecture and Design Illuminated is the ideal text for undergraduate and graduate students delving into this critical area of the software development process. This text offers a coherent and integrated approach to the discipline of software architectural design and covers a complete set of important methodologies, architectural styles, design guidelines, and design tools. JavaTM is used throughout the book to explain design principles and present case studies. Review questions, exercises, and design assignments round out most chapters and allow students to test themselves on key material Key Features Include: Provides complete example with pseudocode, comprehensive design guidelines, and detailed diagrams to assist in the learning process. Incorporates the architecture and implementation of web-centered systems. Follows a complete case study, from architecture to implementation, throughout the text. Includes a final chapter titled ?Product Line Architectures? written by Jorge L. Diaz-Herrera, Dean of the B. Thomas Golisano College of Computing and Information Science at Rochester Institute of Technology End-of-chapter study aids and exercises allow...

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