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Beautiful Architecture

By Diomidis Spinellis

O'Reilly Media. Paperback. Book Condition: New. Paperback. 430 pages. Dimensions: 9.1in. x 7.1in. x 1.3in. What are the ingredients of robust, elegant, flexible, and maintainable software architecture? Beautiful Architecture answers this question through a collection of intriguing essays from more than a dozen of today's leading software designers and architects. In each essay, contributors present a notable software architecture, and analyze what makes it innovative and ideal for its purpose. Some of the engineers in this book reveal how they developed a specific project, including decisions they faced and tradeoffs they made. Others take a step back to investigate how certain architectural aspects have influenced computing as a whole. With this book, you'll discover: How Facebook's architecture is the basis for a data-centric application ecosystem; The effect of Xens well-designed architecture on the way operating systems evolve; How community processes within the KDE project help software architectures evolve from rough sketches to beautiful systems; How creeping featurism has helped GNU Emacs gain unanticipated functionality; The magic behind the Jikes RVM self-optimizable, self-hosting runtime; Design choices and building blocks that made Tandem the choice platform in high-availability environments for over two decades; Differences and similarities between object-oriented and functional architectural views; How architectures can affect the software's evolution and...



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