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Nota di bibliografia	Includes bibliographical references (p. 317-318) and index.
Nota di contenuto	Frontmatter -- Reliability Basics. Reliability and Availability Concepts -- System Basics -- What can go Wrong -- Reliability Concepts. Failure Containment and Redundancy -- Robust Design Principles -- Error Detection -- Analyzing and Modeling Reliability and Robustness -- Design for Reliability. Reliability Requirements -- Reliability Analysis -- Reliability Budgeting and Modeling -- Robustness and Stability Testing -- Closing the Loop -- Design for Reliability Case Study -- Conclusion -- Appendix: Assessing Design for Reliability Diligence -- Abbreviations -- References -- Photo Credits -- About the Author -- Index.
Sommario/riassunto	"System reliability, availability and robustness are often not well understood by system architects, engineers and developers. They often don't understand what drives customer's availability expectations, how to frame verifiable availability/robustness requirements, how to manage and budget availability/robustness, how to methodically architect and design systems that meet robustness requirements, and so on. The book takes a very pragmatic approach of framing reliability and robustness as a functional aspect of a system so that architects,

designers, developers and testers can address it as a concrete, functional attribute of a system, rather than an abstract, non-functional notion"--Provided by publisher.