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Titolo	Building Scalable Web Apps with Node. js and Express : Design and Develop a Robust, Scalable, High-Performance Web Application Using Node. js, Express. js, TypeScript, and Redis (English Edition)
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Nota di contenuto	Cover Page -- Title Page -- Copyright Page -- About the Authors -- About the Technical Reviewer -- Acknowledgements -- Preface -- Errata -- Table of Contents -- 1. Introduction to Node.js -- Introduction -- Structure -- Defining Node.Js -- Applications of Node.js -- Single-Page Applications -- Real-time Applications -- IoT Devices Applications -- Data Streaming Application -- Pros of Node.js -- Cons of Node.js -- Installing Node.js -- Installing Node For Linux/Ubuntu -- Installing Node.js for Windows -- Installing Node.js for mac -- Event-Driven Mechanism -- Example of Event Programming -- Example of Synchronous Code -- Example of Asynchronous code -- Types of Node.js Architectures -- Monolithic Architecture
Sommario/riassunto	Embark on a transformative journey into the world of web development with the latest Node.js v20, Express.js frameworks and TypeScript. This comprehensive book empowers developers at all levels, from newcomers to seasoned professionals, by covering foundational to advanced topics through a single, cohesive example: a project management system. Beginning with an exploration of fundamentals, the book swiftly progresses to delve into TypeScript, equipping readers with the tools to enhance their applications with strong typing and

modern JavaScript features. Readers will master the art of building RESTful APIs using Express.js, ensuring adherence to industry best practices in API design. The book dives into advanced topics like routing strategies, middleware implementation, MongoDB integration with Mongoose for efficient data management, and Redis for optimizing API performance through caching techniques. The final section of the book provides thorough guidance on asynchronous operations, Mocha and Chai testing strategies, AWS deployment, security practices, performance tuning, and real-world application scenarios, ensuring developers gain a holistic understanding of Node.js and Express.js development.
