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   Titolo   Practical Rust Web Projects : Building Cloud and Web-Based
                    Applications / / by Shing Lyu

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   Edizione   [1st ed. 2021.]

   Descrizione fisica   1 online resource (XI, 256 p. 30 illus.)

   Disciplina   005.133

   Soggetti   Compilers (Computer programs)
                    Internet programming
                    Compilers and Interpreters
                    Web Development

   Lingua di pubblicazione   Inglese

   Formato   Materiale a stampa

   Livello bibliografico   Monografia

   Note generali   Includes index.

   Nota di contenuto   Chapter 1: Rust in the Web World -- Chapter 2: Developing Websites --
                    Chapter 3: REST APIs -- Chapter 4: Chatting in Real Time with
                    WebSocket -- Chapter 5: Going Serverless -- Chapter 6: High
                    Performance Web Frontend using WebAssembly.

   Sommario/riassunto   Go beyond the basics of Rust and build web and serverless cloud
                    applications. The applications explained in this practical book include
                    web sites, RESTful APIs, a real-time web chat application, and frontend
                    application with WebAssembly. Each chapter is organized in the
                    following format: what this kind of application looks like; requirements
                    for the example program; an introduction to the Rust libraries used;
                    step-by-step implementation of the example program, including
                    common pitfalls and best practices; and a brief comparison of libraries
                    and frameworks in the same domain. This book will open your eyes to
                    the world of practical web applications of Rust. After reading the book,
                    you will be able to apply your Rust knowledge to build your own web
                    projects. You will: Build dynamic websites with databases Build RESTful
                    APIs Write a WebSocket server that can power a real-time chat app in
                    Rust Discover the benefits of serverless computing using Amazon Web
                    Service's Rust support Compile Rust to WebAssembly for high-

performance frontend applications.