1. Record Nr. UNINA9910299354403321 Autore Aiello Marco Titolo The Web Was Done by Amateurs : A Reflection on One of the Largest Collective Systems Ever Engineered / / by Marco Aiello Pubbl/distr/stampa Cham:,: Springer International Publishing:,: Imprint: Springer,, 2018 **ISBN** 3-319-90008-0 Edizione [1st ed. 2018.] 1 online resource (XIII, 168 p. 34 illus., 24 illus. in color.) Descrizione fisica 000 Disciplina Soggetti Computer science Computers Computer programming Computers and civilization Application software Popular Computer Science History of Computing Web Development Computers and Society Information Systems Applications (incl. Internet) Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia THE ORIGINS: The Pacific-Ocean Internet -- Hypermedia Until the Web Nota di contenuto -- THE WEB: The Original Web Pattern -- The Browser Lament -- THE PATCHES: Patching the Web -- Patch IV, Web Services -- The Unexploited Patch -- SYSTEM ENGINEERING: The Self-Organizing Web -- The Pervasive Future -- Should a New Web Be Designed? -- Dr. Dob's Interview with Alan Kay -- References -- Index. Sommario/riassunto This book stems from the desire to systematize and put down on paper essential historical facts about the Web, a system that has undoubtedly changed our lives in just a few decades. But how did it manage to become such a central pillar of modern society, such an indispensable component of our economic and social interactions? How did it evolve from its roots to today? Which competitors, if any, did it have to beat

out? Who are the heroes behind its success? These are the sort of

questions that the book addresses. Divided into four parts, it follows and critically reflects on the Web's historical path. "Part I: The Origins" covers the prehistory of the Web. It examines the technology that predated the Web and fostered its birth. In turn, "Part II: The Web" describes the original Web proposal as defined in 1989 by Tim Berners-Lee and the most relevant technologies associated with it. "Part III: The Patches" combines a historical reconstruction of the Web's evolution with a more critical analysis of its original definition and the necessary changes made to the initial design. In closing, "Part IV: System Engineering" approaches the Web as an engineered infrastructure and reflects on its technical and societal success. The book is unique in its approach, combining historical facts with the technological evolution of the Web. It was written with a technologically engaged and knowledge-thirsty readership in mind, ranging from curious daily Web users to undergraduate computer science and engineering students.