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Autore	Mukherjee Sudipta
Titolo	Source Code Analytics With Roslyn and JavaScript Data Visualization / / by Sudipta Mukherjee
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Descrizione fisica	1 online resource (XXI, 170 p. 129 illus., 122 illus. in color.)
Disciplina	005.11
Soggetti	Computer programming Software engineering Programming languages (Electronic computers) Programming Techniques Software Engineering Programming Languages, Compilers, Interpreters
Lingua di pubblicazione	Inglese
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Nota di contenuto	Chapter 1 Meet Roslyn Syntax -- Chapter 2 Code Quality Metrics -- Chapter 3 Design Quality Metrics -- Chapter 4 Code Performance Metrics -- Chapter 5 Code Mining -- Chapter 6 Code Forensics -- Chapter 7 Code Visualization.
Sommario/riassunto	Learn how to build an interactive source code analytics system using Roslyn and JavaScript. This concise 150 page book will help you create and use practical code analysis tools utilizing the new features of Microsoft's Roslyn compiler to understand the health of your code and identify parts of the code for refactoring. Source code is one of the biggest assets of a software company. However if not maintained well, it can become a big liability. As source code becomes larger. more complex and accessed via the cloud, maintaining code quality becomes even more challenging. The author provides straightforward tools and advice on how to manage code quality in this new environment. Roslyn exposes a set of APIs which allow developers to parse their C# and VB. NET code and drastically lower the barrier to entry for Meta programming in .NET. Roslyn has a dedicated set of APIs for creating

custom refactoring for integrating with Visual Studio. This title will show readers how to use Roslyn along with industry standard JavaScript visualization APIs like HighCharts, D3.js etc to create a scalable and highly responsive source code analytics system. .

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