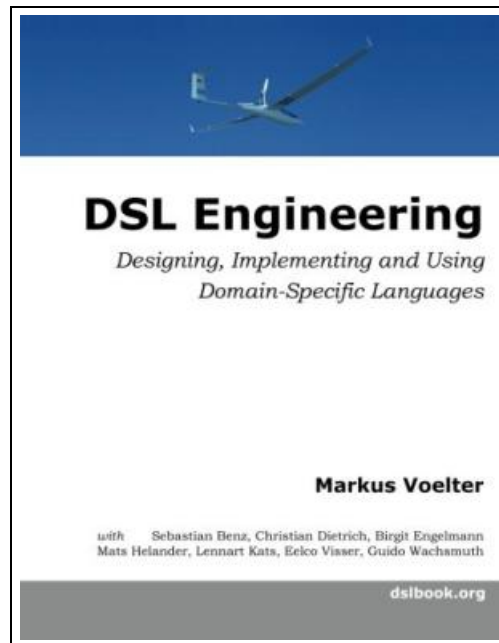# DSL Engineering Designing, Implementing and Using Domain-Specific Languages

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Reviews

Merely no terms to spell out. It really is rally exciting throgh reading through period. Your daily life period is going to be enhance as soon as you complete looking over this ebook.
(Yvette Marquardt)

DSL ENGINEERING DESIGNING, IMPLEMENTING AND USING DOMAIN-SPECIFIC LANGUAGES

CreateSpace Independent Publishing Platform. Paperback. Condition: New. This item is printed on demand. 558 pages. Dimensions: 9.6in. x 7.2in. x 1.6in.The definitive resource on domain-specific languages: based on years of real-world experience, relying on modern language workbenches and full of examples. Domain-Specific Languages are programming languages specialized for a particular application domain. By incorporating knowledge about that domain, DSLs can lead to more concise and more analyzable programs, better code quality and increased development speed. This book provides a thorough introduction to DSL, relying on todays state of the art language workbenches. The book has four parts: introduction, DSL design, DSL implementation as well as the role of DSLs in various aspects of software engineering. Part I Introduction: This part introduces DSLs in general and discusses their advantages and drawbacks. It also defines important terms and concepts and introduces the case studies used in the most of the remainder of the book. Part II DSL Design: This part discusses the design of DSLs independent of implementation techniques. It reviews seven design dimensions, explains a number of reusable language paradigms and points out a number of process-related issues. Part III DSL Implementation: This part provides details about the implementation of DSLs with lots of code. It uses three state-of-the-art but quite different language workbenches: JetBrains MPS, Eclipse Xtext and TU Delfts Spoofax. Part IV DSLs and Software Engineering: This part discusses the use of DSLs for requirements, architecture, implementation and product line engineering, as well as their roles as a developer utility and for implementing business logic. The book is available as a printed version (the one your are looking at) and as a PDF. For details see the books companion website at http: dslbook. org This item ships from La Vergne,TN. Paperback.

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