



# Software Engineering: A Methodical Approach

*Elvis Foster*

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## **Software Engineering: A Methodical Approach** Elvis Foster

This text provides a comprehensive, but concise introduction to software engineering. It adopts a methodical approach to solving software engineering problems proven over several years of teaching, with outstanding results.

The book covers concepts, principles, design, construction, implementation, and management issues of software systems. Each chapter is organized systematically into brief, reader-friendly sections, with itemization of the important points to be remembered. Diagrams and illustrations also sum up the salient points to enhance learning. Additionally, the book includes a number of the author's original methodologies that add clarity and creativity to the software engineering experience, while making a novel contribution to the discipline.

Upholding his aim for brevity, comprehensive coverage, and relevance, Foster's practical and methodical discussion style gets straight to the salient issues, and avoids unnecessary fluff as well as an overkill of theoretical calculations.

### **What you'll learn**

- The main activities of the software development life cycle (SDLC)
- How to conceptualize, research, design, construct, implement, and manage top quality software systems
- How to evaluate the impact of software systems on organizations
- The nature, importance, and scope of software engineering as opposed to programming

### **Who this book is for**

This book is best suited for students who are pursuing a course in software engineering. Practicing software engineers who need a quick reference on various aspects of the field will also find this text useful.

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