
Description:

Key problems for the IEEE Computer Society Certified Software Development Professional (CSDP) Certification Program

IEEE Computer Society Real-World Software Engineering Problems helps prepare software engineering professionals for the IEEE Computer Society Certified Software Development Professional (CSDP) Certification Program. The book offers workable, real-world sample problems with solutions to help readers solve common problems. In addition to its role as the definitive preparation guide for the IEEE Computer Society Certified Software Development Professional (CSDP) Certification Program, this resource also serves as an appropriate guide for graduate-level courses in software engineering or for professionals interested in sharpening or refreshing their skills.

The book includes a comprehensive collection of sample problems, each of which includes the problem's statement, the solution, an explanation, and references.

Topics covered include:
- Engineering economics
- Test
- Ethics
- Maintenance
- Professional practice
- Software configuration
- Standards
- Quality assurance
- Requirements
- Metrics
- Software design
- Tools and methods
- Coding
- SQA and V & V

IEEE Computer Society Real-World Software Engineering Problems offers an invaluable guide to preparing for the IEEE Computer Society Certified Software Development Professional (CSDP) Certification Program for software professionals, as well as providing students with a practical resource for coursework or general study.

Contents:

Preface:

- How was this book developed?
- What is the Computer Society's Software Development Professional Exam?
- What are the target audiences?
- How is this book structured?
- How are problems and their answers structured?
- How to use this book.

A. Engineering Economics.

B. Ethics.
C. Professional Practice.
D. Standards.
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C. Coding.
D. Test.
E. Maintenance.
F. Software Configuration.
G. QA.
H. Metrics.
I. Tools and Methods.
J. SQA and V&V.

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