

10 MUST-READ BOOKS FOR SOFTWARE ENGINEERS IN 2023



Hassan Mujtaba | Full Stack Developer
@javascriptwithhassan



CRACKING THE CODING INTERVIEW

“Cracking the Code Interview: 189 Programming Questions & Solutions” is highly recommendable to anyone who wants or needs to take coding interviews. Author Gayle Laakmann McDowell, an experienced software engineer, was both an interviewer and a candidate. She can help you to look for hidden details in questions, break problems into small chunks, and to get better at learning concepts.



Hassan Mujtaba | Full Stack Developer
@javascriptwithhassan



CODE COMPLETE

“Code Complete: a Practical Handbook of Software Construction, 2nd Edition” by Steve McConnell is one of the books every programmer should probably have skimmed through once in their life.

This book will probably have the highest ROI for developers with one to three years of professional programming experience. But I recommend it to beginners as well because it helps give you more confidence when constructing software.



Hassan Mujtaba | Full Stack Developer
@javascriptwithhassan



CLEAN CODE

“Clean Code: A Handbook of Agile Software Craftsmanship” by Robert C. Martin (Uncle Bob) is one of the most popular programming books. It was written to teach software engineers the principles of writing clean programming code. It comes with many examples showing you how to refactor code to be more readable and maintainable, but be aware that it is very Java-centric. While some patterns and techniques are transferable to general programming or other languages, the book’s primary audience is Java developers.



Hassan Mujtaba | Full Stack Developer
@javascriptwithhassan



REFACTORING

The book Refactoring: Improving the Design of Existing Code, 2nd Edition by Martin Fowler explains what refactoring is, just like the original 20 years ago. Questions that you may ask yourself and that are answered in this book are:

- Why should I refactor my code?
- How can I recognize code that needs refactoring?
- How can I successfully refactor my code?



Hassan Mujtaba | Full Stack Developer
@javascriptwithhassan



HEAD FIRST DESIGN PATTERNS

“Head First Design Patterns: A Brain-Friendly Guide” by Eric Freeman, Bert Bates, Kathy Sierra, and Elisabeth Robson teaches you design patterns and best practices used by other developers to create functional, reusable, elegant, and flexible software. It is also filled with great visualizations that will help you to learn new concepts more quickly.



Hassan Mujtaba | Full Stack Developer
@javascriptwithhassan



PATTERNS OF ENTERPRISE APPLICATION ARCHITECTURE

“Patterns of Enterprise Application Architecture” is another excellent book by Martin Fowler that deals with the practice of enterprise application development. After a short tutorial on developing enterprise applications, Martin then gives you over 40 patterns as solutions to common problems while architecting enterprise applications. It also comes with many UML visualizations and code examples written in Java or C#.



Hassan Mujtaba | Full Stack Developer
@javascriptwithhassan



WORKING EFFECTIVELY WITH LEGACY CODE

In “Working Effectively With Legacy Code” by Michael Feathers, the authors offer strategies to deal with large, untested legacy code bases. While you might think that we are in 2023 now and legacy code shouldn’t be a problem anymore because we only have clean, maintainable code and microservices all along, let me assure you that this is a misconception. Legacy code still is one of the most challenging problems for many companies.



Hassan Mujtaba | Full Stack Developer
@javascriptwithhassan





THE CLEAN CODER

Another book by Uncle Bob teaches techniques, disciplines, tools, and practices of true software craftsmanship. “The Clean Coder: A Code of Conduct for Professional Programmers” is packed with practical advice about estimating, coding, refactoring, and testing.



Hassan Mujtaba | Full Stack Developer
@javascriptwithhassan



INTRODUCTION TO ALGORITHMS

“Introduction to Algorithms, Third Edition” by Thomas H. Cormen, Charles E. Leiserson, Ronald L. Rivest, and Clifford Stein is nothing less than an essential guide to algorithms of all kinds. It is comprehensive and accessible to all readers, beginners, and professionals alike. It is worded and covers a lot of subject matter. But it also is complex and not so easy to follow.



Hassan Mujtaba | Full Stack Developer
@javascriptwithhassan



THE PRAGMATIC PROGRAMMER

“The Pragmatic Programmer” is one of the most important books I have ever read. It is filled with technical and professional practical advice that helped me in many projects and become a better developer.

The book is highly relevant even in 2023, especially with the new 20th Anniversary Edition. It examines what it means to be a modern developer by exploring topics that range from personal responsibility and career development to architectural techniques.



Hassan Mujtaba | Full Stack Developer
@javascriptwithhassan



Do you find it helpful?
Let me know in the comment section



Hassan Mujtaba | Full Stack Developer



**Follow for more tips and tricks related to
web development**