

# **How to Become a Software Developer From Scratch**

**Bibliography, Source Code  
and Other Resources**

## Modules 1 and 2

1. *The Scrum Guide*, by Scrum creators: Ken Schwaber and Jeff Sutherland: <http://scrumguides.org/docs/scrumguide/v2017/2017-Scrum-Guide-US.pdf#zoom=100>
2. A Clean Coders series on Agile Development by Robert C. Martin: <https://cleancoders.com/videos> (episodes 46 - 52)
3. *Agile Software Development, Principles, Patterns, and Practices*, by Robert C. Martin
4. *Scrum and XP from the Trenches - 2nd Edition*, by Henrik Kniberg, available for free: <https://www.infoq.com/minibooks/scrum-xp-from-the-trenches-2/>
5. *Agile is Dead*, a talk by Dave Thomas, GOTO 2015: <https://youtu.be/a-BOSpxYJ9M>
6. (2018) *The NEW Jira Begins Now - Modern Software Development* - Atlassian official Jira quick overview: [https://youtu.be/PQa3NFB\\_LRg](https://youtu.be/PQa3NFB_LRg)
7. *Extreme Programming Explained: Embrace Change*, by Kent Beck and Cynthia Andres
8. *The Five Dysfunctions of a Team: A Leadership Fable*, by Patrick Lencioni

## Module 3

Source code for sample enterprise web application (NrgyInvoicR):  
<https://github.com/bkaminnski/NrgyInvoicR>

## Module 4

Source code for exercises and programming tasks:  
<https://github.com/bkaminnski/TheGuide>

1. *A Short History of the Web*, <https://home.cern/science/computing/birth-web/short-history-web>
2. Source code for Maven exercise: [https://github.com/bkaminnski/TheGuide/tree/master/M4S2\\_MavenHelloWorld](https://github.com/bkaminnski/TheGuide/tree/master/M4S2_MavenHelloWorld)
3. Source code for first Java programming task: [https://github.com/bkaminnski/TheGuide/tree/master/M4S2\\_ReadingValues](https://github.com/bkaminnski/TheGuide/tree/master/M4S2_ReadingValues)
4. Source code for second Java programming task and unit testing exercise: [https://github.com/bkaminnski/TheGuide/tree/master/M4S2\\_Invoice](https://github.com/bkaminnski/TheGuide/tree/master/M4S2_Invoice)
5. *Effective Java, Third Edition*, by Joshua Bloch
6. *The Pragmatic Programmer: From Journeyman to Master*, by Andrew Hunt and David Thomas

7. *Java Concurrency in Practice*, by Brian Goetz, Joshua Bloch, Joseph Bowbeer, Doug Lea, David Holmes, Tim Peierls
8. *Inversion of Control Containers and the Dependency Injection pattern*, by Martin Fowler: <https://www.martinfowler.com/articles/injection.html#InversionOfControl>
9. *REST in Practice: Hypermedia and Systems Architecture*, by Jim Webber, Savas Parastatidis and Ian Robinson
10. Source code for Spring programming task: [https://github.com/bkaminnski/TheGuide/tree/master/M4S3\\_InvoicesInSpring](https://github.com/bkaminnski/TheGuide/tree/master/M4S3_InvoicesInSpring)
11. *Structuring Java EE 7 Applications*, a YouTube video by Adam Bien: <https://youtu.be/grJC6RFiB58>
12. *Cloud Native Java*, a talk on YouTube by Josh Long: <https://youtu.be/5q8B6lYhFvE>
13. *Cloud Native Java*, a book, by Josh Long and Kenny Bastani
14. *A Complete Guide to Flexbox*, <https://css-tricks.com/snippets/css/a-guide-to-flexbox/>
15. *Angular Material Data Table: A Complete Example (Server Pagination, Filtering, Sorting)*, <https://blog.angular-university.io/angular-material-data-table/>
16. Source code for Angular programming task: [https://github.com/bkaminnski/TheGuide/tree/master/M4S4\\_InvoicesInAngular](https://github.com/bkaminnski/TheGuide/tree/master/M4S4_InvoicesInAngular)
17. *A Successful Git Branching Model*, by Vincent Driessen: <https://nvie.com/posts/a-successful-git-branching-model/>
18. *Trunk Based Development*, <https://trunkbaseddevelopment.com/>
19. *Feature Toggles*, <https://martinfowler.com/bliki/FeatureToggle.html>
20. Source code for Git exercise: <https://github.com/AliceSWP/HelloGit>
21. Source code for SQL exercise: [https://github.com/bkaminnski/TheGuide/tree/master/M4S6\\_SQL](https://github.com/bkaminnski/TheGuide/tree/master/M4S6_SQL)
22. *Designing Data-Intensive Applications: The Big Ideas Behind Reliable, Scalable, and Maintainable Systems*, by Martin Kleppmann
23. *Release It! Design and Deploy Production-Ready Software, 2nd Edition*, by Michael Nygard

## Module 5

1. *Three Paradigms*, an article by Robert C. Martin: <https://blog.cleancoder.com/uncle-bob/2012/12/19/Three-Paradigms.html>
2. *Java Code Conventions*, <https://www.oracle.com/technetwork/java/codeconventions-150003.pdf>
3. *Clean Code: A Handbook of Agile Software Craftsmanship*, by Robert C. Martin

4. A Clean Coders series on SOLID Principles by Robert C. Martin: <https://cleancoders.com/videos> (episodes 8 - 14)
5. *Code Complete, 2nd Edition*, by Steve McConnell
6. *Effective Java, Third Edition*, by Joshua Bloch
7. *Design Patterns: Elements of Reusable Object-Oriented Software*, by Erich Gamma, Richard Helm, Ralph Johnson, John Vlissides
8. A Clean Coders series on design patterns by Robert C. Martin: <https://cleancoders.com/videos> (episodes 25 - 34)
9. *Agile Software Development, Principles, Patterns, and Practices*, by Robert C. Martin
10. *Extreme Programming Explained: Embrace Change*, by Kent Beck and Cynthia Andres
11. *The Practical Test Pyramid*, an article by Ham Vocke: <https://martinfowler.com/articles/practical-test-pyramid.html>
12. *Test Driven Development: By Example*, by Kent Beck
13. A Clean Coders series on Advanced TDD by Robert C. Martin: <https://cleancoders.com/videos> (episodes 19 - 24)
14. *Domain-Driven Design: Tackling Complexity in the Heart of Software*, by Eric Evans
15. *Building Microservices*, by Sam Newman
16. Source code for *Java Programming Task*: [https://github.com/bkaminnski/TheGuide/tree/master/M5S5\\_ElectricityPlans](https://github.com/bkaminnski/TheGuide/tree/master/M5S5_ElectricityPlans)
17. Source code for *More Fun with Refactoring, IDE and Testing*: [https://github.com/bkaminnski/TheGuide/tree/master/M5S6\\_ElectricityPlansImproved](https://github.com/bkaminnski/TheGuide/tree/master/M5S6_ElectricityPlansImproved)