

# Software Systems Design

Yegor Bugayenko

16 Lectures



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Graduated in 1998 in Ukraine: MSc in Computer Science (Databases)

@yegor256 at GitHub since 2008 (3.7K followers)

Software blogger at yegor256.com since 2014

Published “Elegant Objects” book about OOP in 2016

Created Takes.org and Cactoos.org Java frameworks

Since 2019, lab director in Huawei, Moscow Research Center

## Disclaimer

The lectures you are going to hear:

They are not deep, more a high-level overview

They are not a replacement of Wikipedia or books

They are not always accurate

They are presented first time

1. README vs. IEEE
2. Requirements Engineering
3. RUP vs. Agile/XP
4. OOA&D + Principles and Smells
5. Object Thinking + DDD
6. Patterns, Anti-Patterns, Refactoring
7. XML and JSON
8. Unified Modeling Language (UML)
9. IDEF + SQL/NoSQL Data Design
10. Design for Continuous Delivery
11. Microservices, APIs, RESTful
12. Serverless design in Cloud
13. TDD
14. Test Anti-Patterns
15. Coupling+Cohesion & other metrics
16. The future of software design

Each one is 90 minutes including Q&A at the end (10 minutes).



All lectures will be available in my YouTube channel.