

Konstantin Tenman

Software Architect
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PROFILE

Software Architect with 9+ years specializing in high-volume fintech microservices on AWS. Architected scalable Spring Boot applications serving millions of users across financial services (KYC, payments, regulatory compliance). Demonstrated track record: reduced operational costs by 50%, improved API latency from 60ms to 5ms through event-driven architecture, and migrated 120M payments with 92% performance improvement. Strong academic foundation with dual cum laude Computer Science degrees and contemporary AI/ML expertise. Combines hands-on technical leadership with rigorous testing practices and cross-functional collaboration.

PROGRAMMING SKILLS

- **Programming Languages:** Java, TypeScript, Python, Kotlin **Technologies:** Spring Boot, Angular, VueJS, Hibernate, JUnit, Mockito, WireMock, Kafka
- **Tools:** AWS, PostgreSQL, Docker, Git, Maven, IntelliJ, Redis **DevOps:** GitLab CI/CD, GitHub Actions, Amazon ECS, Docker Swarm, Jenkins
- **Languages:** English, Estonian, Russian

EXPERIENCE

- **Cybernetica** Tartu, Estonia
Software Architect Jul 2024 - Present
 - Leading the development of a new product, focusing on the design and implementation of a microservices architecture using Spring Boot and Kotlin.
 - Collaborating with the product owner to define the product roadmap and ensure alignment with the company's strategic goals.
- **University of Tartu** Tartu, Estonia
Teaching Assistant (Part-time) Aug 2022 - Jun 2024
 - Teaching courses on Object-Oriented Programming in Java, Web Application Development, and Enterprise System Integration, contributing to the academic growth of students.
- **Bankera** Tallinn, Estonia
Senior Software Engineer Jun 2022 - Jul 2024
 - Led development and maintenance of KYC (Know Your Customer) microservices using Spring Boot and Java (versions 8 to 21), ensuring compliance with EU financial regulations.
 - Built robust, scalable solutions using PostgreSQL databases and comprehensive testing with Mockito, WireMock, and AssertJ, achieving 80% test coverage across services.
 - Contributed to financial services regulatory compliance system serving multiple banking clients across Europe.
- **Monese** Tallinn, Estonia & London, UK
Software Engineer → Technical Lead Engineer Oct 2017 - Jun 2022
 - Promoted twice over 4 years, progressing from Software Engineer to Technical Lead Engineer, demonstrating consistent delivery and technical excellence in a high-growth fintech environment.
 - Led the refactoring of a monolith into single-responsibility microservices within the Payments team. Spearheaded the architectural design of a strong customer authentication (SCA PSD2) solution and facilitated regular brainstorming sessions to foster team innovation and problem-solving.
 - Systematically improved software performance and reduced operating costs, achieving a 50% reduction in monthly operating expenses for a critical application through performance optimization and infrastructure improvements.
 - Successfully migrated 120M payments to a new queue-based Java microservice, reducing average response time from 60ms to 5ms (92% improvement) while maintaining zero downtime.
 - Designed and developed microservice for Recurring Payments with test coverage of 80%, ensuring reliability for automated payment processing.

- Enhanced microservice scalability by segregating database read and write operations, improving throughput and reducing database contention.
- Delivered annual pricing functionality on time as member of Pricing team, and led research on decomposing monolithic application into single-responsibility microservices.
- Played pivotal role in interviewing and onboarding new team members, contributing to team growth from 5 to 12 engineers.

- **Codeborne**

Tallinn, Estonia

Software Developer

Apr 2017 - Oct 2017

- Developed responsive internet banking websites for major banking clients, including Bank "Saint-Petersburg" (serving 1M+ customers) and Czech online bank Expobank.cz.
- Enhanced team productivity and software quality by promoting best practices through code reviews, pair programming, and test-driven development.

- **Knowit**

Tallinn, Estonia

Software Developer

Jun 2016 - Apr 2017

- Recognized as Employee of Q4 2016 for outstanding contributions and exceptional code quality.
- Developed full-stack web application enabling users to create and search for services via Google Maps integration, processing hundreds of daily searches.

EDUCATION

- **Tartu University**

Estonia

Master of Science in Engineering (Computer Science); cum laude, GPA: 4.79/5

- Master's Thesis: "AI-Powered MMSE: Enhancing Cognitive Assessment"
- Recipient of Achievement and Specialisation stipends.

- **Tallinn University**

Estonia

Bachelor of Science in Engineering (Computer Science); cum laude; GPA: 4.72/5

- Bachelor's Thesis: "The Development of a Self-study Web Application Using Angular and Spring Boot"
- Recipient of Achievement and Specialisation stipends.