

Konstantin Tenman

Senior Software Engineer
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PROFILE

I have eight years of experience as a software developer, with a focus on Java. I commit to teamwork, building applications that undergo rigorous testing and seamless delivery. I love researching and staying updated with the latest technologies. I'm always searching for ways to improve my skills and make my work better.

PROGRAMMING SKILLS

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

EXPERIENCE

- **Bankera** Tallinn, Estonia
Senior Software Engineer Jun 2022 - Present
 - As a key member of the Know Your Customer (KYC) team, I have led the development and maintenance of microservices using Spring Boot and Java (versions 8 to 21), utilizing databases like Postgres and testing tools such as Mockito, Wiremock, and AssertJ. My contributions have been instrumental in building robust, scalable, and effective solutions for financial services regulatory compliance.
- **University of Tartu** Tartu, Estonia
Teaching Assistant Aug 2022 - Present
 - Teaching courses on Object-Oriented Programming in Java, Web Application Development, and Enterprise System Integration, contributing to the academic growth of students.
- **Monese** Tallinn, Estonia
Technical Lead Engineer Sep 2021 - Jun 2022
 - 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.
 - Played a pivotal role in interviewing and onboarding new team members, significantly contributing to team expansion and development.
- **Monese** London, United Kingdom
Technical Lead Engineer Jul 2020 - Sep 2021
 - Systematically improved software performance and reduced operating costs, achieving a 50% reduction in monthly operating expenses for a critical application.
- **Monese** London, United Kingdom
Software Engineer Mar 2019 - Jun 2020
 - Identified and resolved production issues, significantly increasing revenue. A particular solution for a single customer uncovered a substantial profit gap.
 - As a member of the Pricing team, I delivered new annual pricing functionality on time and without significant issues, and led research on decomposing a monolithic application into single-responsibility microservices.
 - In the Joint Accounts team, I was responsible for designing and developing the core logic of the Joint Accounts feature.
- **Monese** Tallinn, Estonia
Software Engineer Oct 2017 - Mar 2019
 - Enhanced micro-service scalability by segregating database read and write operations.
 - Successfully migrated 120M payments to a new queue-based Java micro-service, reducing the average response time from 60ms to 5ms.
 - Introduced Angular 5 for internal tooling and improved seamless deployment on Amazon AWS.

- Designed and developed a micro-service for Recurring Payments with a test coverage of up to 80%.

- **Codeborne**

Tallinn, Estonia

Software Developer

Apr 2017 - Oct 2017

- Developed responsive internet banking websites for major banking clients, including Bank "Saint-Petersburg" and the 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.
- Developed a full-stack, web-based application enabling users to create and search for services via Google Maps.

EDUCATION

- **Tartu University**

Estonia

Master of Engineering (MEng) in Computer Science; GPA: 4.67/5;

- Master's Thesis: AI-powered web-based MMSE app for cognitive assessment, leveraging BERT, GPT-3, ResNet-50, Spring Boot, Vue.js, Redis, PostgreSQL, and Docker.
- Recipient of Achievement and Specialisation stipends.

- **Tallinn University**

Estonia

Bachelor of Science in Engineering (BSc) in Computer Science; GPA: 4.73/5; cum laude

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

PET PROJECTS

- **CAPTCHA Solver:** Deep convolutional neural network for recognizing and decoding text from CAPTCHA images, built with Python, TensorFlow, Keras, Matplotlib, and NumPy.
- **Form Handler Application:** Dynamic form submission app with sector selection, session management, and data persistence, utilizing Spring Boot, Vue.js, Bootstrap, PostgreSQL, Redis, and Docker.
- **File API:** RESTful file management service built with Kotlin, Spring Boot, MinIO, MongoDB, and Redis, featuring API documentation with Swagger and comprehensive testing with JUnit 5 and Mockito.