Ivan Ivanov

Location: Frankfurt, Germany

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EXPERIENCE

Software Engineer Working Student
Dec. 2023 – Present

Software Company | Enterprise Software Solutions — *Frankfurt, Germany*

- Developed Java 17 features for an Eclipse-based IntulliJ IDE, addressing long-standing customer requests and contributing to user satisfaction improvement from 88% to 94%
- Maintained IntulliJ by monitoring, developing, and refactoring automated tests in a pool of 40,000+ JUnit and UI QFT test cases, increasing monthly error-free CI/CD cycles by 80% and resulting in a successful version release
- Developed and maintained a containerization pipeline for 8 Software Company products across 3 versions with Jenkins, Python and Bash, fully automating deployments of Docker images to the container registry
- Architected and implemented a comprehensive automated testing infrastructure for the High Availability feature of interconnected Software Company products, utilizing Docker and Kubernetes, Jenkins, Nginx, Bash and Python scripts
- Integrated end-to-end testing with Cypress into this infrastructure, reducing manual testing by 99%, increasing test coverage by 400%, and enabling daily automated compatibility checks across multiple product versions
- Implemented Redis Cluster within a Java Spring backend and corrected Spring Data Redis implementation, preventing bugs from reaching production and significantly increasing server reliability
- Led knowledge transfer sessions within the team on Docker containerization and automated testing with Cypress, accelerating the team's adoption of DevOps best practices

Software Engineer
Jun. 2022 – May 2023

Fintech Ltd | Financial Services — *Remote*

- Implemented 20+ backend features for a financial back-office application using Java Spring Framework, including Security, REST API, and AWS S3-based reports management, resulting in the successful production deployment
- Ensured system reliability with JUnit and integration tests, employed test-driven development practices
- Optimized search and filtering performance in a large PostgreSQL table by developing a custom Spring Data JPA Repository, reducing response time by a factor of 10, from an unacceptably slow 2000 ms to 200ms
- Assumed full responsibility and successfully managed the migration of the SFTP server for trade data exchange to AWS Transfer SFTP, achieving a 30% reduction in monthly maintenance costs and ensuring 100% availability

EDUCATION

Technical University of Frankfurt
Oct. 2022 – Expected Apr. 2025

Master of Science in Computer Science — *Frankfurt, Germany*

Thesis: *Safety-Performance Trade-offs in Aligned Large Language Models*

Lomonosov Moscow State University
Sep. 2017 – Jun. 2022

Bachelor of Science in Applied Mathematics and Computer Science — *Moscow, Russia*

TECHNICAL SKILLS

Languages: Java, Python, SQL, Bash
Frameworks: Spring Boot, JUnit, Mockito, JDBC, JPA, Hibernate, FastAPI, PyTorch, Cypress
Databases: PostgreSQL, MongoDB, Redis
Cloud & DevOps: AWS, Docker, Podman, Kubernetes, Terraform, Jenkins, GitHub Actions
Tools & Practices: Git, Maven, Postman, REST API, Microservices, Jira, Scrum, Agile
Other: Linux, HAProxy, Nginx, Advanced Mathematics, Machine Learning, NLP

LANGUAGES

English: Proficient (C1)
German: Proficient (C1)
Russian: Native