Viacheslav Kolybelkin

Senior Software Engineer

12+ years of programming experience in developing applications based on Java, Kotlin and related technologies as standalone applications and microservices. Experienced in the full cycle of software development namely estimation, implementation, automation testing, performance testing/tuning, and support. Wide experience in agile principles along with the practice of leading a team.

Contacts

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LinkedIn

GitHub

Skills

- Java, Kotlin
- Spring (boot) framework
- Microservices
- Elasticsearch, Redis, PostgreSQL, MongoDB
- Camunda BPM
- Apache Kafka, RabbitMQ
- Maven, Gradle
- Keycloak
- ELK, Sentry, Datadog
- Docker, Kubernetes
- FIX, FAST protocols, libraries
- Agile methodologies: Scrum, Kanban
- JIRA, GitHub, GitLab
- Git

Certifications

- Oracle Certified Professional, Java SE 8 Programmer
- Oracle Certified Associate, Java SE 8 Programmer

Languages

Russian – Native
English – Full Working Proficiency

Experience

Senior Software Engineer – PashaPay   06/2024 to now

- Designed and implemented an online acquiring system from scratch, significantly expanding the company's market by enabling integrations with new partners. The solution included secure handling of personal data stored in encrypted form with keys managed in Vault, comprehensive analytics, and robust handling of edge cases for transaction reversals and error scenarios.
- Implemented backend services for a merchant management system within the online acquiring platform, streamlining merchant onboarding, administration, and operational workflows.
- Developed a regulatory-compliant system for tracking transaction turnover and restricting transferred funds. This solution provided enhanced flexibility in fee calculations and ensured strict adherence to regulatory requirements.

Senior Software Engineer – Deutsche Bank   03/2023 to 06/2024

- Successfully migrated a key microservice to a reactive approach using Spring Webflux, significantly enhancing system scalability and responsiveness while conserving computing resources. This complex transition, which involved integrating Apache Thrift protocol with Project Armeria, enabled reactive Thrift communications. The challenges in testing due to the custom transport protocol were adeptly handled using the Spock framework with Groovy. This shift not only improved the agility and efficiency of the microservice but also contributed to a more sustainable use of computational resources, aligning the system with modern standards of reactive systems and environmental consciousness.
- Developed and deployed the backend component of a cutting-edge feature designed to automate the generation of accounting documents within a mobile application. This involved meticulous coding, database integration, and ensuring seamless functionality to meet the high standards of user experience.
- Strengthened the responsiveness and security of the Thrift API Gateway by introducing a whitelist feature, strategically crafted to counter Distributed Denial-of-Service (DDoS) attacks. This enhancement was particularly intricate due to the service's reliance on a reactive approach, which complicated the parsing of message bodies. The challenge arose from the necessity to extract crucial method request information embedded within the body of the Thrift protocol.

Senior Software Engineer – Elfin Tech   06/2020 to 03/2023

- Ran planning meetings, was in charge of deliverables, managed a team.
- Automated the release process and was responsible for it, handled L3 support incidents.
- Completed the project for migrating two old PHP frontends in accordance with the new technology stack (ReactJS and Kotlin). Led a team of 6 backend and frontend developers.
- Introduced keycloak as a session manager.
- Completed two sub-products from scratch for new bank integrations based on Camunda BPMN.
- Designed and implemented a reporting system based on Kafka.
- Implemented a new microservice for calculating statistics.
- Designed and implemented a sub-system for working with history of questionnaire changes.

Senior Software Engineer – Epam systems   05/2015 to 06/2020

- Worked on a solution for routing FIX messages (Java, Spring, microservices, Kafka, k8s), led a small backend team, ran scrum meetings.
- Designed and implemented a system from scratch for testing FIX solutions using BDD approach (Cucumber-JVM).
- Implemented a set of small projects to build a custom solution based on the company's FIX library. Participated in design, estimation, presentation sessions.
- Introduced logic for low-latency consuming CME market by order an order-based data feed in the open-source library.
- Introduced new features in a company's FIX session level library, profiled the code (JMC, VisualVM, perf), implemented performance tests and optimisations, handled L3 level support requests from customers.

Software Engineer – Exactpro   08/2014 to 07/2015
- Proficient in network programming using Netty and Mina frameworks, demonstrating expertise in building high-performance, scalable, and reliable network applications.
- Extensive experience designing and implementing RESTful services in Java, ensuring efficient, standards-compliant web communication and data exchange.
- Skilled in developing parsers for binary protocols, applying deep knowledge of binary formats and encoding schemes to accurately and efficiently process complex data streams.

Software Engineer – NetCracker   12/2012 to 08/2014

Education

Russia, Saratov State Technical University   2009-2014
    Master's Degree in Computer Science.