

Nikolai Zhdanov

Java Software Engineer

Profile

As a Software Engineer with over 7 years of experience, I specialize in developing distributed and scaled systems. Over the past 5 years, I have focused on developing microservice applications using Java/Kotlin. I also utilize the DevOps methodology to create reliable and high-performance infrastructure.

Contact

Tbilisi, Georgia
+995 550 059 499
nikolai@zhdanov.dev
[LinkedIn](#): @nikolai-zhdanov

Education background

Vyatka State University of Humanities

Computer Science,
Mathematics and Physics
Faculty

Bachelor of Applied Mathematics and Computer Science

Skills & Proficiencies

Java/Kotlin	■■■■■
Spring Framework	■■■■■
Redis	■■■■
Mongo DB	■■■■
Kubernetes	■■■■
Ansible	■■■■
React	■■■
TypeScript	■■■

Courses & certifications

Java Software Engineer Course

Innopolis University

January 2017
Gained a diploma in Java Backend Engineering

Work Experience

Senior Software Engineer (Bootcamp)

Yandex, the biggest IT company in Russia
May 2023 - August 2023

Stack: Java, Grpc, Spring, YDB.

Functions:

- Acquaintance with the projects of 4th teams
- Development of gRPC API

Results:

- Implemented the storage of alarm details in the monitoring system, which can handle petabytes of data.
- Fixed an issue in the deployment process of Yandex Cloud.

Senior Software Engineer

Alfa-bank, the largest private bank in Russia
June 2020 - May 2023

Stack: Java/Kotlin, Spring Framework, Redis, Hazelcast, MongoDB, Ansible, Mesos, Kubernetes

Functions:

- Creating API and business logic for mobile applications at Alfa-Bank.
- Enhancing the reliability and performance of services.
- Writing ansible playbooks to configure and deploy infrastructure.
- Providing guidance and support to new employees and interns.

Results:

- Successfully implemented multiple APIs with a production capacity of over 500 requests per second.
- Created a monitoring application for Zeebe, similar to Camunda Operate, using the React framework.
- Provided training and mentorship to an intern, helping them develop their skills as a Java Software Engineer.

Senior Software Engineer

Lorus SCM, an expert in the field of logistics
February 2019 - June 2020

Stack: Java, Kotlin, Spring Framework, PostgreSQL, MongoDB, RabbitMQ, Apache poi, Apache Kafka, Docker swarm, Redis, Elastic search, Camunda BPM

Functions:

- Design microservice architecture.
- Leading a team of developers as a team lead.
- Configuring infrastructure: Docker swarm, Mongo DB, Redis, etc.

Results:

- Implemented the CI/CD system using Gitlab CI and Docker swarm, resulting in improved safety and reduced time to production to 10 minutes.
- Developed core services including authentication service and communication service.
- Integrated Camunda into the system.
- Effectively led a team of 5 developers.

Mentor for students in Java Software Engineering

Innopolis University, The first university to specialize in Computer Science in Russia
January 2019 - February 2022

Functions:

- Reviewing homework
- Consulting students, and providing support

Results:

- 31 out of 35 students gained a diploma in Java Backend Engineering.
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Software Engineer

Magnit, one of Russia's biggest food retail chains

May 2018 - February 2019

Stack: Java, Spring Framework, AMQP, PostgreSQL, MSSQL, RabbitMQ, Apache poi, JDBC.

Functions:

- Refactoring existing systems to use microservice architecture.
- Supporting legacy system.
- Mentoring junior java developers.
- Deployment apps from bare metal, configuring Nginx.

Results:

- Optimized legacy code to give output in real time. This system previously had a lag of 2 hours.
 - Successful implementation of a data bus.
 - Optimised the transport distribution routes for orders, increasing the efficiency of deliveries
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Software Engineer

Sberbank, the largest bank in Russia

January 2017 - May 2018

Stack: Java, Jave EE, PL/Sql.

Functions:

- Developing adapters between database and data bus.
- Developing data pipeline (models) in Oracle database.
- Deploying apps to WebSphere.

Results:

- Implementation of product to production for over 100 billions users: replenishment of cards and accounts through external participants.
 - Implemented xslt transformation library.
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PHP Software Engineer

I-Butler project, a plugin to find the best offers for customers

February 2016 - December 2016

Stack: PHP5, MySQL, Yii2, Beanstalkd.

Functions:

- Designing architecture and db models.
- Writing technical documentation.
- Development of the API.

Results:

- Refactored legacy code to process big data.
 - Implemented calculation of points for big users graph.
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Electronic circuit design engineer

Project Smartcoin, startup developed smart card for payment and loyalty system

December 2014 - December 2015

Stack: C++, microcontrollers series Atmel ATmega, Texas InstrumentsCC25xx,

IAR Embedded Workbench, Altium design.

Functions:

- Designing a circuit of devices.
- Developing a software on devices.

Results:

- Created a prototype device and software for it.