

# Sergey Eremeykin

## Java Backend Developer

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### ABOUT ME

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I am an experienced software engineer with a strong and diverse scientific background and a passion for JVM-based technologies. I bring over 5 years of in-depth experience in designing, developing, and deploying robust, distributed backend systems in both fast-paced startup environments and stable tech companies.

My proficiency extends beyond programming to include deploying services in a cloud Kubernetes environment, and testing and monitoring. I am driven by the challenge of transforming complex business requirements into high-quality, scalable software solutions that deliver real value.

### KEY SKILLS

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**Languages:** Java 8 - 21, Kotlin, Python, SQL

**Frameworks & Libs:** Spring Framework (including Spring Boot, Spring Data, etc.), Hibernate, JUnit, Mockito

**Databases:** PostgreSQL, MongoDB, ClickHouse, Apache Cassandra

**Other tools:** GraphQL, REST API, Gradle, Maven, Docker, Kubernetes, Apache Kafka, Git, Linux

**Soft skills:** Mentoring, Team work, Public speaking

### WORK EXPERIENCE

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#### Arrival – Kotlin Backend Developer

*Jul 2022 - Oct 2023 (1 yr 4 mos)*

At Arrival, a pioneering British electric vehicle (EV) startup backed by investments from Hyundai and Kia, and once valued at \$15bn on the NASDAQ, I contributed to three significant projects.

- Developed microservices for an in-house CAD-like system focused on managing EV components and optimizing costs, a mission-critical objective for the company. I led the integration of these services into the company-wide federated GraphQL architecture.
- Designed and created from scratch a conceptual service for migrating JSON documents between schemas using GraalVM for running existing JS code inside a JVM app. The project was essential for an in-house CMS used to publish content on the company's main website.
- Developed microservices for detecting user regions and serving localized content, and a microservice for capturing leads from the website, storing them in a NoSQL DB, and routing them to external systems (e.g., Airtable, Odoo, mailing system) based on specific business rules.

#### Headhunter Group – Java Backend Developer

*Jul 2018 - Jul 2022 (4 yrs)*

Headhunter, at peak valued at over \$3bn on the NASDAQ, operates hh.ru, the most popular job site in Russia and the third most visited in its category globally. The platform hosts 1.5 million vacancies and 67 million resumes, serving over 3000 requests per second. My contributions include:

- Developing: Led the development of the company's advertising services. Retrofitted legacy Python system to a modern distributed Spring application. Working closely with the business team and ML engineers, we optimized ad delivery and targeting, managed to quadruple ad revenue thus making ads the second largest source of revenue for the company.
- Testing: Authored the suite of automated end-to-end tests using Selenium, growing from zero to dozens, and implemented comprehensive unit testing with JUnit and Mockito.
- Sharing knowledge: Mentored incoming developers and QA engineers during their onboarding and beyond. Actively led code reviews and participated in skill-sharing sessions.
- Recruiting and enhancing company reputation: Contributed to technical interviews. Participated in a video podcast series improving the company's tech brand visibility.

### EDUCATION

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#### Higher School of Economics, Faculty of Economic Sciences

*2014 - 2016*

Master's degree. Studied stochastic analysis and statistical methods for analyzing economic processes.

#### Bauman Moscow State Technical University, Fac. of Robotics and Integrated Automation

*2008 - 2014*

Master's degree. Specialized in computer engineering analysis within mechanical engineering.