

# Varvara Koshman

[LinkedIn](#) | [GitHub](#) | [koshman.varia@gmail.com](mailto:koshman.varia@gmail.com) | +7 950-221-1469

## Education

**ITMO University, Saint Petersburg, Russia**

**Master's degree (Information Systems and Technologies)**

Sept 2019 - June 2021

**Bachelor's degree (Applied Mathematics and Informatics)**

Sept 2015 - June 2019

## Skills

**Languages:** Java, Python, SQL, JavaScript

**Technologies:** Spring Framework, Hibernate, Postgresql, OracleDB, Redis, MongoDB, Kafka, ActiveMQ, MyBatis, Docker, Kubernetes, Git, Maven, Gradle, Jenkins, AWS, HashiCorp Vault, Liquibase, Mockito, Swagger, Apache NiFi, Bash

## Professional Experience

### League of Digital Economics

Saint Petersburg, Russia

**Backend Developer (9 months)**

June 2022 – PRESENT

Project: Telecom subscriptions managing system, customer's key profitable project (Customer: Beeline - Russia's 2<sup>nd</sup> largest telecom operator)

- Extended services with new business logic, delivered bug fixes, participated in operational support to solve critical issues
- Reduced Redis memory usage migrating to native cluster, implementing cleaning cron-based jobs, adding expiring keys and adding concurrency to data-pipelines
- Containerized services, migrated services to Kubernetes, configured Jenkins jobs
- Implemented custom NiFi processors for ETL data-pipelines to serve millions of data entries

### EPAM Systems

Saint Petersburg, Russia

**Backend Developer (3 years)**

July 2019 – June 2022

Projects: Clinical events manager (Customer: AstraZeneca); Web application for Identification of biological materials (Customer: Syngenta); Clinical study manager for NIBR (Customer: Novartis)

- Participated in an application's design, conducted code review
- Implemented all layers of a backend application (controller, service, dao layers) with extensive coverage with unit & integration tests (95+% coverage)
- Participated in several subprojects: took part in design and later supported a subproject for data export, implemented a subproject for concurrent data migration
- Implemented integrations with other services; optimized SQL queries
- Conducted deployment, troubleshooted issues, represented dev team on meetings with a customer

**Backend Developer Mentor (5 months) – EPAM Systems Training center** Dec 2021 - Apr 2022

Project: Two group engineering projects of a bank system application

- Designed business requirements and application architecture
- Conducted code review, daily stand-ups, retrospectives, helped to solve blockers, planned sprints

**Backend Developer Intern (6 months) – EPAM Systems Training center** Feb 2019 – June 2019

Project: Web application for servers' settings comparison used in prod

- Implemented several parsers for parsing configuration files covering with unit & integration tests
- Did a deep refactoring of a service changing its structure to optimize its work and improve code clarity

### Federal Almazov North-west Medical Research Centre

Saint Petersburg, Russia

**Data Scientist (3 months)**

Oct 2021 – Dec 2021

Project: Worked on an individual NLP project for analysing electronic medical records in Russian

- Presented Master's thesis on a PHealth-2021 international conference (DOI:10.3233/SHTI210579)
- Published results in the MDPI Journal of Personalized Medicine (<https://doi.org/10.3390/jpm12010025>)