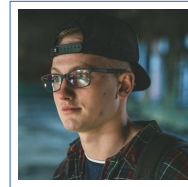


# Oleg Lobanov

Java Software Developer

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## Skills

Languages	Java, Kotlin, Python, SQL, Bash
Frameworks	Spring Framework (Boot, Data, Security, WebFlux), Netty, kotlinx.coroutines, java.util.concurrent
Databases	Apache Cassandra, CockroachDB, PostgreSQL, ClickHouse, Redis
DevOps, Cloud	GitlabCI, Docker, Kubernetes, Helm
Other	Gradle, Maven, Bazel, Git, Linux

## Languages

Russian	Native
English	B2

## Software Development Experience

April 2020 - Present	<b>Software Developer, CRPT</b> , St. Petersburg, Russia. Responsible for development and support emission and billing subsystem of National marking system. <ul style="list-style-type: none"><li>◦ Develop highload microservices (up to 10k rps)</li><li>◦ Utilised Netty for custom TCP-client, HTTP2-client, DB-driver</li><li>◦ Set up jobs in Kubernetes - cronjob, migration jobs for Kafka and CockroachDB</li><li>◦ Conducted DB migrations of various complexity (Cassandra, CockroachDB, Postgres, HBase)</li><li>◦ Set up data stream to Clickhouse via Kafka</li><li>◦ Developed dynamic pipelines generation (GitlabCI) with Python for monorepository</li><li>◦ Implemented JAXB code-generation rule in Bazel</li><li>◦ Setup services communication via Kafka, HTTP2, TCP</li><li>◦ Implemented various authorization methods OAuth2, Basic Auth, Signed-JWT, mTLS</li><li>◦ Write test with JUnit and Testcontainers</li><li>◦ Provided integration with foreign system with REST and SOAP approaches</li><li>◦ Work in on-call mode</li><li>◦ Provide support for QA-team and perform load-tests</li></ul>
October 2019 - March 2020	<b>Java Junior Developer, Sleki</b> , St. Petersburg, Russia. <ul style="list-style-type: none"><li>◦ Stack: Java, Spring Boot, Project Reactor, PostgreSQL, MongoDB</li><li>◦ Implemented features and fix bugs in Social-oriented REST-application</li><li>◦ Implemented caching for most frequent queries using Spring Caching</li><li>◦ Developed OAuth2 user authentication and authorization server</li><li>◦ Implemented database interaction with Spring Data JPA</li><li>◦ Written integration tests with Testcontainers</li></ul>

## Education

2019–2021	<b>M.Sc. in Information systems and technologies</b> , St. Petersburg State University of Telecommunications, St. Petersburg, Russia, <i>with honours</i> , . Studied machine learning approaches and software development management <b>Master thesis</b> title <i>Research and development of the intelligent training app</i>
2015–2019	<b>B.Sc. in Aviation meteorology</b> , Russian Hydrometeorological State University, St. Petersburg, Russia, <i>with honours</i> , . Studied under the WMO program in english language, was interested in hydrodynamic modeling <b>Bachelor thesis</b> title <i>Influence of surface inhomogeneity on the vertical motion at the upper level of atmospheric boundary layer</i>

## Academic Experience

Languages	Fortran, Java, Python, VBA, JavaScript	Network	OSI, TCP\IP
Frameworks	Spring AOP, JavaFX, PyTorch, Keras	Other	Matlab, Maple
<ul style="list-style-type: none"><li>Developed application that analyzes the degree of physical fatigue by an ECG fragment using Keras and Kotlin</li><li>Developed financial application with back-end and desktop front-end on Kotlin</li><li>Implemented OAuth2 protocol between Facebook and fullstack app on Java and JavaScript</li><li>Developed desktop app for matrix and graph operations with JavaFX</li><li>Solved problems with FCNN, CNN, RNN using framework Keras and PyTorch</li><li>Built hydrodynamic models with DFT and BFT</li><li>Implemented visualization "Shallow Water" model on python</li></ul>			

## Additional courses

March-July	<b>Java Junior Developer</b> , <i>LevelUP</i> , St. Petersburg, Russia, <i>Offline course</i> , .
2019	Java core, Spring Boot, Spring MVC, Spring Data, PostgreSQL