

Summary

Born 25.08.1995. 3 years of professional **Java (Spring Boot)** experience as of mid-2022. GitHub member since 2009 – developing various software for 10+ years. Eager to learn new technologies and apply **design patterns** to enhance the quality of code. Prefer statically typed languages such as **Java** and **C++**. Also have a decent **Python** experience. Able to perform verbal communication in **Russian** and **English**.

Skills

- **Backend:** Java (Core, Spring Boot), Kotlin, C++, Python 3, Go
- **DBs & Messaging:** Kafka, Cassandra, PostgreSQL
- **Tools:** Git, Jira, Jenkins, Docker, Grafana, Prometheus
- **Languages:** Russian, English

Work Experience

- 2022.03 – **Senior Java (Kotlin) Developer**, *Tinkoff Bank*, Moscow.
- now
- Implemented a tariffs service within a banking software with microservice integrations via HTTP and Kafka protocols using Spring Boot
 - Participated in design decisions on a large microservice ecosystem
 - Made optimizations in Spring Boot Startup resulted in 30% increase of a microservice's startup time
 - Designed and developed a retry pattern for microservice interactions related to repeated payment events

- 2020.03 – **Middle Java Developer**, *Sberbank*, Moscow.
- 2022.01
- Implemented **Agile** methodology, attended daily standups and sprint plannings, used Jira for task management
 - Improved existing Java code using SOLID design principles and object-oriented design patterns and developed new features for a clustered Spring Boot application used by thousands of users daily
 - Delivered a set of new features to a production environment obtaining experience in code review and stress testing
 - Used Kafka with Spring Boot to ship various features related to internal communications between services
 - Developed an initialization system based on Spring Boot to kickstart Vert.x verticles for a monolith app
- 2019.09 – **Java Developer**, *Institute for System Programming of the Russian Academy of Sciences*, Moscow.
- 2020.01
- Improved an existing CalDAV software Cosmo Calendar Server written in **Java** using **Spring Boot**:
- Implemented WebDAV groups
 - Implemented WebDAV Access Control Protocol – support for custom (unprotected) access rights for calendar objects stored in **MySQL** database using **Hibernate**
 - Authored the following pull requests:
 - <https://github.com/1and1/cosmo/pull/29> and
 - <https://github.com/1and1/cosmo/pull/33>
- 2017.09 – **Python Developer**, *Institute for System Programming of the Russian Academy of Sciences*, Moscow.
- 2019.08
- Design and develop a virtualization management web service
- Worked on a huge open source solution employing a full stack of technologies
 - Developed a real-time cache solution using RethinkDB
 - Designed and developed a real-time deployment of virtual machine state changes using Tornado, GraphQL and RethinkDB changefeeds
 - Developed an authorization module for the web service using LDAP users and groups with granular actions granting
 - Programmed an exporter of XenServer performance/resources usage data into Prometheus using **Java**
 - Created a set of scripted dashboards for **Graphana** using **Prometheus** as data source showing disk/memory/CPU usage of VMs.

- 2016 – **Intern**, *Joint Institute for High Temperatures of the Russian Academy of Sciences*, Moscow.
- Assisted in porting thermophysics data analysis algorithms from Fortran to modern **C++** and design an object-oriented architecture for new code
 - Designed and developed a clean GUI using **C++**, **Qt5** and **Qwt** for performing calculations and visualising algorithm results
- 2015 **Intern**, *Higher School of Economics*, Moscow.
Used **C++**, **Qt5** and **Qwt** to develop a clean GUI for calculating differential equations using Runge-Kutta method

Education

- 2017 – **Master**, *Higher School of Economics*, Moscow, Faculty of Computer Science.
2019 Software Engineering
- 2013 – **Bachelor**, *Higher School of Economics*, Moscow, School of Applied Mathematics.
2017 Applied Informatics