

Vladimir Prokhorov



Education

2018 – 2024

**Department of Radio Engineering and Cybernetics,
Bachelor's + Master's degree in Applied Mathematics and Physics**

Moscow Institute of Physics and Technology (MIPT) | Dolgoprudny, Russia
Department of Information Systems and Networks | Netcracker

Experience

Jul 2021 – Now

Netcracker

Software Developer

- Developed from scratch scalable deployable Quarkus-based containerized custom Java microservice featuring job scheduling (using Quartz) with connection to existing kafka topic (maas) for business data patching (using REST clients of other microservices).
- Developed Spring-based Java microservice for assembling and converting business data via Jooq providing REST API for other dependent microservices of our project ecosystem.
- Stabilized CI environment (real-time bug-fixing)
- Developed new project's GraphQL API.
- Developed unit tests (JUnit5) for lots of microservices inside our project ecosystem.
- Created safe business datafixes using SQL language (direct production data impact).

Contact

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Languages

English Intermediate

Skills

Java ❤️



SQL



Git



Docker



Spring



Linux



Quarkus



My working expertise consists of many other technologies and frameworks that I have used through the whole 3-year coding experience. I've touched Redis and Cassandra for caching purposes, created a bunch of Docker images and able to handle them inside K8S cluster, developed a simple Netty-based client-server chat and I also have a good experience with Git. I know Confluence and Jira (used both as a part of my daily work) for referencing documentation and task planning purposes. I worked with Elasticsearch. I understand what is Jenkins and how CI/CD works. I worked with Angular and TypeScript (and all front-end stuff). I omit some other technologies and in order to keep the long story short: I feel free to learn and use new technologies that I've never seen before.

Volunteering

2018–2021

Experience As a Teacher

Taught general physics for pupils at MIPT preparation courses.

Interests

Usually this section is much more about me, because I am not only a Java programmer, although my total experience in it is about 10 years (3 of which are in enterprise). I currently hold a part-time position as a junior researcher at the Kotelnikov's Research Institute as a part of my diploma work. Participated in the EnT Conference at Nov 2023 and later in 66th All-Russian Scientific Conference MIPT at Mar 2024. I develop PCB which can measure distance using UWB rays. During hole my conscious life I tend to create different electrical devices and for the last 8 years I have been improving my skills in creating those. Starting with the very basics and Arduino, ending with STM32 and digital processing using FPGAs. I also can share this experience:

2023, Nov
2024, Mar

En&T Conference

A report was presented on the topic "Positioning using UWB signals" regarding scientific research financed by RSF (Russian Science Foundation) №23-29-00883

2021, Aug

Skoltech Summer Internship

Developed independent load balancer for iPerf-based 5G speedtest service by working with my colleague using Python Flask server in combination with Docker containerization and Swagger API.

2020, Apr

NTI Hackathon

Student stream, Wireless Technologies Profile

Won first place out of 8 teams in hackathon at NTI by working with five colleagues to develop a noise-resistant algorithm for optimal data transmission over a noisy channel.