

# 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. 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, Feb

### **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.