

Danila Valkovets

Began programming in 2018, in commercial development since 2021. During this time, I have worked with high-load fintech microservices and a legacy industrial monolith, won 3 sleepless hackathons, implemented several end-to-end systems from scratch, contributed to 4 open-source projects, and delivered a year-long course of lectures on web development.

Genuinely passionate about sharing knowledge: since 2023, I have been developing a youth robotics center at my home university. Under my leadership, a team of 20 people regularly wins international and all-Russian level awards, and since 2025, has been conducting commissioned research.

Current tech stack

- Java, Kotlin (Kora, Spring, JavaEE)
- PostgreSQL, Cassandra, Redis, S3
- Kafka, gRPC, Protobuf, REST, SOAP
- Opentelemetry, Envoy, Istio
- Docker, Kubernetes

General experience

- Python (Flask, MicroPython)
- Let's Encrypt, Ubuntu, Debian
- Git, GitHub/GitLab (CI/CD), Svn
- C/C++ (ESP32, RP2040, ATmega)
- JS (Vue.js + PrimeVue, jQuery)
- HTML, CSS (SCSS, Bootstrap)
- VESC, BetaFlight, ELRS
- GraphQL

Education

ISMC NRNU MEPhI
Data Analysis and Machine Learning
2023 – 2024, digital department

Institute of Intelligent Cybernetic Systems, NRNU MEPhI
Software Engineering
2022 – 2026, bachelor's degree

Sirius IS.Intern
Network technologies and Java
2021, hybrid Course

Work Experience

T-Bank / Java developer
2025 – present

Developing high-load services for investment engagement using a broad stack: Java and Kotlin web frameworks, orchestrators and containers, load balancers and gateways, NoSQL and relational databases, message brokers.

MEPhI / Clerk at the Department for Development of Innovative University Platforms
2023 – 2025, subsequently not employed

Leader of an engineering community conducting research in autonomous robotics. I oversee projects participating in international robotics competitions: Robot Wars, Eurobot, CanSat. I secure funding from external companies.

GC Complex systems / Fullstack Programmer
2021 – 2023

Refactored a task management system with CI/CD. Automated decision-making processes at one of Europe's largest meat processing plants. Developed a system for managing technical product nomenclature.

Personal Projects

MEPhI Student of the Year website

Development of a management system for multi-stage competitions featuring dynamic ranking and integration with the MEPhI CAS: from requirements gathering to implementation and support.

Open-source contributions

- ★ 747 Ceedling: C-project build system on Ruby
- ★ 205 TelegramBotFramework
- ↓ 459 Plugin for HQ screenshots in JetBrains IDEs