

Daniil Ratnikov — Backend Developer

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About Me

Junior+ Backend Java Developer with over 3 years of commercial experience in building and maintaining production systems.

I work with both monolithic and microservice architectures and participate in the full development lifecycle — from requirement analysis and system design to deployment, monitoring, and production support. I have hands-on experience developing high-load backend services and bots used by thousands of users.

Skills

Languages & Frameworks: Java 17, Python, Spring (Boot, MVC, Data, Security, Web), Hibernate

Testing & Tools: JUnit, Mockito, pytest, CI/CD, Git, Docker

Databases & Caching: PostgreSQL, MySQL, Redis

Other Technologies: Kafka, Kubernetes, REST API

Languages: English B1

Work Experience

- **Junior Backend Developer (Remote).** 04.2025 - 10.2025 (7 months)
 - Developed a Telegram bot from scratch using Python + aiogram 3; by October, it had 19,000+ users.
 - Implemented escrow payment logic and Stripe integration independently.
 - Migrated the bot to asynchronous architecture + Redis caching — request processing time reduced by 3–4x.
 - Optimized heavy PostgreSQL queries — database load decreased significantly under growing traffic.
 - Added unit and integration tests for payment scenarios (pytest), coverage reached 80%+.
 - Worked on native Android module (Java) and Flutter — payment screens and push notifications.
- **Java Developer / Chatbot Developer** - IP Bordovsky “BelBot”. 01.2022 - 07.2025 (3+ years)
 - Developed and maintained 15+ commercial Telegram/VK bots on Java + Spring Boot (from e-commerce to CRMs for salons and arbitrage projects).
 - Implemented Kafka in two projects to handle queues — prevented message loss under peak load.
 - Set up Docker + Kubernetes deployments — rollout time reduced from hours to 5–10 minutes.
 - Increased unit test coverage (JUnit 5 + Mockito) to 75–80% on key projects — regressions nearly eliminated.
 - Optimized a heavy algorithm for finding arbitrage paths — speed increased from 60–70 to 400+ operations in 25–30 seconds.
 - Managed projects end-to-end, from requirements to production.
- **Freelance Developer — Fiverr / FL.ru / personal clients — 01.06.2021 – present (4+ years)**
 - Developed Android apps, backend systems, Telegram bots, and UI/UX designs for custom orders.
 - Experience in client communication, requirement gathering, and on-time delivery.
 - Created small pet projects and commercial MVPs.

Achievements

- Accelerated arbitrage path algorithm 5.7x: increased coverage from ~70 to 400+ paths in ~30 seconds.
- Reduced PostgreSQL load by ~60% via Redis caching and SQL query optimization in a high-load Telegram bot.
- Migrated a major Android app from MVVM to Clean Architecture, simplifying maintenance and feature expansion.
- Set up CI/CD from scratch: automated deployment via GitHub Actions + Docker, reducing release time from hours to minutes.
- Increased unit test coverage for critical business logic to ~80%, reducing regressions.
- 1st place in the national development competition.
- 2nd place in regional “Patriot.by” competition.
- Finalist of the national “Techno-Intellect” competition.
- 3rd place at the scientific conference “Innovations into the Future.”
- Participated as team lead in national hackathons.

Education

Gomel State Machine-Building College — Specialty: Mobile Device Programming (Secondary Specialized Education)

Future Plans

2026–2030: Bachelor’s in Software Engineering

2030–2032: Master’s in AI/ML at a top international university

By 2030: Senior Java / Backend Engineer in an international company

Long-term: Launch own startup in EdTech / HealthTech