

Nikita Yarychev

Kotlin/JVM Developer · DevOps

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Summary: Kotlin/JVM developer who ships full-cycle: from writing backend services, bots and desktop apps to deploying and maintaining them in production. Comfortable across the stack — Ktor/Exposed on the backend, Compose/Swing on desktop, and Linux/Docker/CI-CD on the infrastructure side. Several years of commercial and freelance experience on long-running projects with real users, including a launcher serving 1M monthly users and production infrastructure handling 3,000+ rps. Looking to join a development team in a Kotlin-backend or DevOps role.

EXPERIENCE

Lead Developer — [RTrainSim Launcher](#) *Commercial* | 2021 – Present

- Built a cross-platform game launcher from scratch end-to-end: fast, resource-efficient downloading of large file sets (up to 80 GB across 120,000 files), registry integration and in-app editing of RTrainSim settings.
- Delivered for MaDaDev, a railway-simulation project partnering with major Russian rolling-stock manufacturers (Demikhovo, Bryansk, Kolomna, Novocherkassk); serves up to 50,000 registered users.
- Stack: Kotlin/JVM, Compose Multiplatform, Ktor, Decompose, Kodein-DI.

Developer / Support — [Legacy Launcher](#) *Commercial* | 2015 – Present

- Implemented features and fixed bugs in a free, widely-used Minecraft launcher (1M monthly unique users) supporting modified game versions.
- Communicated directly with users and helped troubleshoot game-launch issues.
- Stack: Java, Swing, FlatLaF, Apache HttpClient, Gson/Jackson, JNA.

DevOps / System Administrator — [Ely.by](#) *Commercial* | 2017 – Present

- Set up, maintained and administered production servers for an alternative Minecraft auth/skin service: 2 servers handling 3,000+ requests/sec combined on average, with uptime reaching several years.
- Configured HaProxy, Traefik and CertBot; wrote automation scripts to keep services self-sustaining.
- Stack: Docker, Docker Compose, Linux, systemd, Nginx, HaProxy, Traefik, MariaDB, Redis.

PROJECTS

- **EasyWebHook (2022 – Present):** Telegram bot that adds webhook functionality to any service without modifying it; supports interactive reply-webhooks triggered by message buttons. (*Kotlin/JVM, Ktor, Exposed, Kodein-DI, Docker*)
- **Quote Board (2018 – Present):** Web app for storing quotes with role-based access and Discord OAuth authentication. (*Kotlin/JVM, Ktor, Exposed, Pebble, H2, Docker*)
- **xUSSR Railway Set (2026):** Authored a custom GitHub Action from scratch for an OpenTTD graphics project; set up per-commit pipelines, automated nightly builds and releases. (*GitHub Actions, Docker, NML*)
- **h265fy (2023, 2026):** CLI utility for convenient batch conversion of video files. (*Bash, Python, ffmpeg*)

EDUCATION

Bachelor's, Computer Science and Engineering | *Moscow Aviation Institute (MAI)* *Graduated 2024*

TECHNICAL SKILLS

- **Languages:** Kotlin (JVM / Native / Multiplatform), Java, SQL, Bash/Zsh, Python.
- **Backend:** Ktor, Exposed, Kodein-DI, ktgbotapi, kord, H2, MariaDB, Redis.
- **Desktop:** Compose Desktop/Multiplatform, Java Swing, Decompose, FlatLaF.
- **Build & CI/CD:** Git, Gradle, GitHub Actions, GitLab CI (incl. self-hosted GitLab).
- **Infrastructure:** Linux, systemd, Docker, Docker Compose, Podman, Nginx, HaProxy, Traefik, Ansible.

LANGUAGES

Russian: Native | **English:** B2