

Timofey Krivonosov

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Java Developer

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Professional Experience

LLC "Medica"

IT Department Specialist

September 2022 – Present

- **Administration and Support:**

- Managed and maintained automated workplaces, diagnosed and resolved user issues.
- Configured and managed VLANs for network segmentation and security.
- Administered servers, including monitoring, updates, and performance optimization.

- **Development and Programming:**

- Developed RESTful API applications using Java Spring Boot and PostgreSQL.
- Utilized Flyway/Liquibase for database schema management and version control.
- Designed adaptive user interfaces with Vue.js.
- Deployed servers on Debian using Docker, Gradle, and Maven for streamlined workflows.

- **Tools and Technologies:**

- Proficient in version control systems like Git, including branching and merging.
- Skilled in SQL for efficient data management and querying.

Skills

- **Programming:** Java, Python, C++, JavaScript (Vue.js).
- **Frameworks:** Spring Boot, Hibernate.
- **Databases:** PostgreSQL, MySQL.
- **DevOps Tools:** Docker, Gradle, Maven.
- **System Administration:** Linux, VLAN.
- **Analytics:** A/B testing, dynamic systems theory, Lyapunov stability.

Languages

English — Intermediate.

Confident in reading professional literature, writing, and communicating in work-related scenarios.

Education

Saint Petersburg State University

Applied Mathematics, Computer Science, and AI

3rd-year student (2022 – 2026)

- **Coursework Projects:**

- Applied Python and C++ for data analytics and A/B testing.
- Developed and trained neural networks for time-series forecasting and analysis.
- Explored stability in dynamic systems and control theory.

- **Competitions and Hackathons:**

- Actively participated in programming contests by Yandex, MTS, HSE/PSB, Tinkoff, and other leading companies.

Projects

- **Fractal Flame Generator (Java):** Application for generating fractal images using the Fractal Flame algorithm. Implemented multithreading for performance optimization, adhering to SOLID principles and scalable architecture. Used Apache Maven for dependency management and project setup.
GitHub: https://github.com/krivonosovti/FRACTAL_FLAME
- **Benchmark Tool (Java):** Utility for benchmarking algorithms and functions. Implemented modular testing, performance data collection, and a configurable user interface. Utilized Apache Maven for dependency and project management.
GitHub: https://github.com/krivonosovti/BENCHMARK_TOOL
- **Log Analyzer (Java):** Java program for analyzing NGINX logs. Counts requests, identifies popular resources, analyzes response codes, and calculates average response size and 95th percentile. Used Apache Maven for project management.
GitHub: https://github.com/krivonosovti/LOG_ANALYSER_T_BANK
- **Maze Generator and Path Finder (Java):** Java application for maze generation and shortest pathfinding using Kruskal's and Prim's algorithms. Followed SOLID principles and utilized the Factory design pattern. Maven was used for dependency management and modular testing.
GitHub: https://github.com/krivonosovti/MAZE_T_BANK
- **Hangman Game (Java):** Console-based game developed with OOP and MVC architecture. Implemented logging, exception handling, and JUnit testing.
GitHub: <https://github.com/krivonosovti/hangman>
- **Equipment Manager (Java):** Application for managing equipment using Spring, Liquibase for database versioning, and Gradle for project builds. PostgreSQL was used for storage, and the frontend was developed in Vue.js. Deployed on Debian servers.
GitHub: https://github.com/krivonosovti/equipment_manager
- **Hotel Reservation Prediction (Hackathon Project):** Developed an ML model to predict booking cancellations using ROC-AUC as the primary metric.
GitHub: <https://colab.research.google.com>
- **Discord Game Config Bot (Python):** Discord bot for managing game configurations. Implemented async programming and PostgreSQL for user settings storage. Utilized Docker for deployment.
GitHub: https://github.com/krivonosovti/DiscordBot_GameCFG

Personal Qualities

- Hardworking and goal-oriented.
- Quick learner with enthusiasm for new technologies.
- Strong communication skills and a team player.
- Master of Sport in Karate.