

Artyom Fadeyev

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EXPERIENCE

Avito

- *Software Engineer, DBaaS* *Oct. 2023 - Present*

Go Kubernetes S3 Python

 - Led the development of a backup verification platform that **verifies all backups across the entire company**, ensuring the integrity of **~10k backups daily** across multiple storage systems.
 - Delivered isolated bucket environments for object storage, providing separate infrastructure for large teams; supports projected **growth of ~1k users and ~80k buckets**.
 - Engineered a verification scheduling algorithm considering database sizes, with additional optimizations, delivering **2x faster verifications** and **20–30% lower Ceph load**.
 - Implemented a volume expansion mechanism using the Kubernetes Controller and CSI driver, **reducing expansion time by 90%** and significantly enhancing system reliability.

Tinkoff

- *Site Reliability Engineer - Intern, DWH Ingest* *March 2023 - June 2023*

Java Kubernetes Gitlab CI Grafana Prometheus Kafka

 - Set up a project CI/CD pipeline using Gitlab CI and deploy it to a Kubernetes cluster using Helm.
 - Implemented Prometheus and Grafana-based alert systems to notify duty engineers about service issues promptly.
 - Changed usage of the GitLab artifacts to the Artifactory registry with fully automated building, publishing, and deployment.
 - Jointly implemented transferring a Kafka topic from one cluster to another using the Java and Schema Registry.

Playrix

- *Software Engineer - Intern, Automation Team* *July 2022 - Sept. 2022*

Python AWS Vault Consul

 - Developed a solution for tracking employee birthdays and length of service for **~4k employees**, with delayed notifications.
 - Led the transition from a monolithic to a microservices architecture, introducing asynchronous code and utilizing AWS Kinesis.
 - Deployed services using Docker and Nomad orchestrator with storing secrets in Vault and configurations in Consul.

EDUCATION

- **ITMO University** *Sept. 2024 - Present*
Master's degree, Highload Systems Software
- **ITMO University** *Sept. 2020 - July 2024*
Bachelor's degree, Software Engineering

ACHIEVEMENTS

- **Yandex Contributions** *June 2023 - Present*

C++ Go LSP

 - Co-developed LSP features (declaration lookup, usage search) at [SourceCraft](#), introducing incremental caching for performance.
 - Benchmarked multiple C++ hashtable implementations in aggregation workloads as part of the [YDB](#) project, providing performance insights for future decisions.
 - Ranked **top 2 out of 46** students in the [Yandex School of Backend Development](#), while collaborating in an 11-member team to build a platform **allocating 100+ students** to projects based on their preferences.
- **Community Contributions** *Sept. 2023 - Present*

FerretDB Mentoring

 - Enhanced [FerretDB](#) by implementing nested index creation in the SQLite driver, benefiting thousands of developers.
 - Mentored **40+ students** in the [VK course](#), completing **500+ code reviews** and boosting project completion rates and code quality.
- **School Olympiads** *Feb. 2020*

Competitive programming Mathematics

 - Prize-winner of the National Mathematics Olympiad (MIPT), awarded a **full tuition** waiver at university.
 - Prize-winner of the regional round of the National School Olympiad in Programming.

SKILLS

- **Technologies:** Kubernetes, Docker, Linux, PostgreSQL, MongoDB, Redis, Kafka
- **Interests:** HFT, Databases, Distributed Systems, FP, Concurrency, Optimizations
- **Programming Languages:** Go, Rust, Python