

Dmitrii Malashikhin

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Professional Summary

Software Engineer with 3+ years of academic and industry experience building backend services, data pipelines, and user-facing interfaces. Strong background in Python and TypeScript, with hands-on experience across the full product lifecycle - from system design and implementation to deployment and iteration. Previously worked on high-throughput security and data platforms, improving reliability, performance, and developer workflows. Interested in product-focused engineering roles where thoughtful technical decisions directly impact user experience.

Work Experience

Fullstack Engineer, R-Vision

Oct 2023 – Jun 2025

- Designed and implemented a modular FastAPI microservice framework for ingesting and normalizing heterogeneous data feeds, reducing new-source onboarding time from ~24 hours to under 3 hours (~88%).
- Optimized API endpoints using async I/O and query tuning to support 100k+ daily requests and reduce median response times by ~60%.
- Increased unit and integration test coverage from ~70% to ~90%, significantly reducing post-deployment defects.
- Built developer-facing automation tools (PyCharm and Jira extensions in Java and TypeScript) that eliminated repetitive workflows and reclaimed 40+ developer-hours per month.

Software Engineer, Datagile

Aug 2022 – Oct 2023

- Developed and maintained ETL pipelines using Flask, Celery, and Redis to process 50k+ log events per hour from 12+ operating system and database sources.
- Designed and built a Vue.js UI for configuring and validating log-normalization rules, reducing analyst onboarding time by ~70%.
- Automated CI/CD workflows in GitLab CI, collapsing six manual deployment steps into a single pipeline and reducing production incidents by ~65%.
- Migrated legacy dashboards to React and TypeScript, improving maintainability and accelerating new-hire ramp-up.

Education

Master of Science in Information Systems (Honors)

Sep 2022 – Jul 2024

Admiral Makarov State University

Bachelor of Science in Computer Science, Minor in Economics

Sep 2018 – Jun 2022

Admiral Makarov State University

Projects

Online Cinema Platform

- End-to-end microservices platform built with FastAPI, Kafka, Redis, and PostgreSQL.
- Served 10k+ daily user sessions with sub-150 ms API latency and 99.9% uptime through efficient pipelines, autoscaling, and containerized deployments.

Guess The Melody

- Python-based backend game integrated with the Yandex Music API, supporting 1k+ concurrent players.
- Implemented similarity-based game modes and streamlined releases using Docker and CI/CD.

Technical Skills

Languages: Python, JavaScript, TypeScript, Bash, SQL

Backend: FastAPI, Flask, Django, Celery, REST / WebSockets / GraphQL

Frontend: React, Astro, Vue.js, htmx, TailwindCSS

Data & Messaging: Airflow, Pandas, Redis, Kafka

Databases: PostgreSQL, MongoDB, Elasticsearch

DevOps & Cloud: Docker, Kubernetes, AWS (ECS, Lambda, S3, RDS), GitLab CI/CD

Observability: Prometheus, Grafana, ELK Stack