

Dmitrii Malashikhin

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Professional Summary

Software engineer with academic and industry experience architecting and delivering backend services, frontend interfaces and data pipelines. Proficient in Python, JavaScript/TypeScript and multiple frameworks including ETL, Airflow, Elasticsearch, Django, etc. Developed high-throughput threat intelligence pipelines and security automation tooling, improving pipeline reliability by 60%, and enabling real-time triage for security teams. Demonstrated success reducing manual workflows by 70%, improving API response times by 60%, and driving feature delivery in agile teams.

Work Experience

Fullstack Engineer, R-Vision

Oct 2023 - Jun 2025

- Engineered a modular FastAPI microservice framework to ingest and normalize heterogeneous data feeds, cutting new-source onboarding time from 24 hours to under 3 hours (~88%).
- Optimized API endpoints with async I/O and query tuning to handle 100 k+ daily requests and reduce median response times by 60%.
- Boosted unit and integration test coverage from 70% to 90%, cutting post-deployment defects by 60%.
- Built developer-facing automation (PyCharm & Jira extensions in Java and TypeScript) that eliminated repetitive tasks and reclaimed over 40 developer-hours per month.

Software Engineer, Datagile

Aug 2022 - Oct 2023

- Developed and maintained ETL pipelines with Flask, Celery, and Redis to process 50 k+ log events per hour from 12+ OS and database sources.
- Designed a Vue.js GUI for configuring and testing log normalization rules, reducing analyst onboarding time by 70%.
- Automated CI/CD workflows in GitLab CI to collapse six manual deployment steps into one, cutting production incidents by 65%.
- Migrated legacy dashboards to React/TypeScript, improving code maintainability and accelerating new-hire ramp-up by 40%.

Education

Information Systems, Master of Science (Honors) **Admiral Makarov State University**

Sep 2022 - Jul 2024

Computer Science, Bachelor of Science **Admiral Makarov State University**

Sep 2018 - Jul 2022

Projects

Online Cinema

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

Guess The Melody

Python-backend quiz app integrated with Yandex Music API, supporting 1k+ concurrent players. Designed similarity-based game modes, maintained <200 ms page loads, and streamlined releases via Docker and CI/CD.

Skills

Languages: Python, JavaScript, TypeScript, Bash

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

Frontend: React, Vue.js, htmx, TailwindCSS, Material-UI, Chakra UI

Data/ETL: Airflow, SQLAlchemy, Pandas, Redis, Kafka

Databases: PostgreSQL, MongoDB, Elasticsearch

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

Observability: Prometheus, Grafana, ELK Stack

Other: OAuth2/JWT, Regex, Unit & Integration Testing, Alembic

Certifications & Activities

Python Middle Developer Course

Machine Learning Course

2 Years of Competitive Programming (C++)