

NIKITA STEPANOV

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ABOUT ME

Software Engineer with 5 years of commercial experience in backend development, system reliability, and AI integration. Responsible, proactive, and result-oriented engineer focused on building robust products and driving engineering efficiency.

WORK EXPERIENCE

Assaia

Software Engineer

09.2024 – Present

Python, Rust

- Contributed to the core development and optimization of 20+ real-time backend services for global airports.
- Executed a seamless zero-downtime migration from MongoDB to PostgreSQL (5M+ records, 10+ services adapted).
- Developed turnGPT, an in-house natural language AI assistant for customers to query real-time turnaround insights.
- Engineered a dedicated microservice to enable camera-free (CV-less) system operation across multiple locations.
- Upgraded internal AI workflows: automated MR reviews, duty handling, and daily automated task processing.
- Championed company-wide AI adoption by building Claude skills/hooks, NotebookLM sync, and hosting tech talks.

Impact: Scaled core airport platform capabilities by engineering flight-based and CV-less architectures, integrated AI workflows across the company, and delivered key customer-facing AI tools while boosting system data consistency.

Yandex.TechPlatform

Software Engineer

11.2023 – 09.2024

Python, C++

- Engineered and scaled high-load feature flag and experimentation platforms handling 150k+ peak RPS.
- Designed and successfully defended large-scale infrastructure proposals before the architecture board.
- Integrated code-based configuration validation into CI workflows across E-com & Ridetech (50k+ executions).

Impact: Significantly reduced legacy debt, enhanced core infrastructure reliability, and enabled safe rollout of dynamic behavior changes for millions of end users.

Yandex.Eats

Software Engineer

11.2022 – 11.2023

Python, JS

- Built a high-throughput metrics and analytics service aggregating operational data across disparate sources.
- Streamlined release engineering and QA pipelines with automated end-to-end tooling.

Impact: Integrated comprehensive release automation and visualization dashboards into CI/CD, accelerating delivery speed and cutting Time-to-Market (TTM) by >30%.

Delivery Club

Software Engineer

09.2021 – 11.2022

Python

EDUCATION

ITMO University x Yandex (Master's Degree)

2023 – 2025

MHS, Modeling Highload Systems

Completed YSDA advanced coursework: Python, Go, Computer Networks, Computer Architecture, Databases

Bauman Moscow State Technical University (Bachelor's Degree)

2019 – 2023

RK6, Computer-Aided Design Systems

SKILLS

Languages	Python, C++, Go, JS, Rust
Python Ecosystem	asyncio, Pytest, FastAPI (Pydantic), Flask, Django
Technologies & Tools	Docker, Git, K8s, PostgreSQL, MongoDB, Redis, Kafka, Grafana
English Level	Upper-Intermediate (B2)