

Mikhail Polykovskii

Lead Python Developer | Tech Lead | Software Architect

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Summary

Python backend engineer with 17+ years of experience building and launching production systems from scratch. Led teams of up to 10 engineers across international projects. Delivered 4 production projects in the last 3 years. AWS Certified Solutions Architect with expertise in microservices, high-load systems, and full SDLC ownership. Fluent in modern AI coding tools (Claude Code, Cursor) to accelerate development.

Experience

Lead Python Developer | NDA

04/2023 - Present

Web development company

FastAPI, PostgreSQL, Kafka, Kubernetes, GCP

- Delivered 4 projects to production as part of 8-person team
- Built data pipelines, stats APIs, content generation systems, and SSO integration
- Accelerated development using AI coding assistants (Claude Code, Cursor)

Lead Python Developer | FoodRocket

11/2022 - 03/2023

Top food delivery startup

FastAPI, PostgreSQL, Kafka, Kubernetes, GCP

- Launched multiple microservices from scratch
- Refactored legacy codebase for maintainability and unified architecture

Lead Software Engineer | Quantori LLC

01/2022 - 11/2022

Life science technology company

Django, PostgreSQL, Redis, Kubernetes, AWS

- Led team of 10 engineers on high-performance search tool
- Established development process, increased release frequency
- Added automated error monitoring across environments

Backend Team Lead | SBDA Group

03/2020 - 12/2021

ML-powered retail analytics

Django, DRF, Airflow, Hadoop, Clickhouse

- Built prediction interface from scratch for country-wide retail network
- Led team of 7 engineers, owned technical decisions and CI/CD
- Developed ETL processes handling large-scale retail data

Senior Software Engineer | Iponweb

04/2019 - 02/2020

Global advertising platform

- Improved company-wide Django framework performance
- Led back-office application development with third-party API integrations

Python Backend Developer | Yandex

04/2007 - 07/2018

#1 tech company in Russia, 100M+ monthly users

- Launched transport schedules service from scratch
- Launched multiple sports services from scratch
- Core developer on Yandex.Taxi launch team
- Optimized high-load services, designed versioned APIs

Skills

Languages:	Python, Django, FastAPI, Flask
Databases:	PostgreSQL, Clickhouse, DynamoDB
Infrastructure:	Docker, Kubernetes, Helm, AWS (EC2, S3, Lambda), GCP
Queues:	Kafka, Redis, AWS SQS
Practices:	Agile, Scrum, TDD, DDD, CI/CD
AI Tools:	Claude Code, Cursor

Education & Certifications

AWS Certified Solutions Architect - Associate

Master's Degree in Engineering

Ural State University | Mathematics and Computer Science | 1996 - 2001

Languages

English B2 ([EFSET Certificate](#)) | Russian C2 (Native)