

# Mikhail Polykovskii

Lead python developer



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## Certificates

- AWS Certified Solutions Architect – Associate

## Education

### Master's Degree in Engineering,

Ural state university

1996 – 2001 | Yekaterinburg, Russia

Mathematics and computer science

## Skills

**Python, API** (HTTP, REST, Security),

**Frameworks** (Django, FastAPI),

**Databases** (PostgreSQL, MongoDB, Clickhouse, DynamoDB),

**Queues** (Kafka, Redis, AWS SQS),

**Containerization** (Docker, K8s, Helm),

**AWS** (EC2, S3, Lambda, Route 54, Load balancing),

**Methodologies** (Agile, Scrum, TDD, DDD),

**CI/CD** (GitLab, GitHub, Jenkins, Teamcity)

## Languages

**English** (upper-intermediate), **Russian** (native)

## Projects

### NDA, Sites building

04/2023 – present

FastAPI - PostgreSQL - RabbitMQ - Kubernetes - GCP

### FoodRocket, Food delivery app, the best in its segment

11/2022 – 03/2023

Position: Lead python developer

Tasks and Achievements:

- Transformed business wishes into working code
- Designed architecture for an important part of the project
- Launched several microservices
- Designed and implemented sustainable consistent API
- Picked up legacy code and made it suitable for further development (tests, refactoring, simplification, unification with other services in the company)
- Established interaction with external services
- Agreed on interaction with related teams

FastAPI - PostgreSQL - Kafka - Kubernetes - GCP

### Quantori LLC, Life science high-performance search tool

01/2022 – 11/2022

Position: Lead Software Engineer

Tasks and Achievements:

- Established the development process
- Improved workflow stability and transparency
- Taught team members to write production ready code
- Increased the speed of releases
- Increased the number of unit tests
- Added a tool to automatically gather errors from environments
- Took part in task decomposition
- Created synchronous and asynchronous code to implement new features and fix errors
- Led the project team of 10 people

Django - PostgreSQL - Redis - Kubernetes - AWS

### SBDA Group, Web interface to prediction model of the demand of grocery in a country-wide retail network

03/2020 – 12/2021

Position: Backend teamlead

Tasks and Achievements:

- Built an interface from scratch to view predictions and historical data on a single screen, with ability to pointwise fix a prediction (Django, DRF)
- Developed ETL processes with Airflow, Hadoop, and Clickhouse
- Led a team of seven engineers
- Was responsible for technical decisions, stability and availability of ETL and UI, including CI/CD, code quality, architectural decisions, interactions with neighboring teams

## **Iponweb, Advertising platform**

04/2019 – 02/2020

Position: Senior Software Engineer

Tasks and Achievements:

- Improved back end of a company-wide framework based on Django:
- Increased response speed
- Implemented new features
- Suggested architecture solutions, which were implemented later
- Led the development of a back office application (Django, DRF):
- Worked with third-party APIs
- Implemented new features
- Oversaw CI/CD, as well as the overall project stability and efficiency

## **Yandex, The number one tech company in Russia**

04/2007 – 07/2018

Position: Python backend developer

Tasks and Achievements:

- Launched the transport schedules service from scratch
- Launched several sports services from scratch
- Participated in the launch of the Yandex.Taxi service
- Optimized projects for high loads
- Maintained and updated legacy projects
- Designed and implemented integration with third-party services
- Developed a consistent reliable versioned api
- Achieved reliable operation of services

## **Profile**

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- Seasoned software engineer with a 16 years track record of building applications from scratch, establishing and maintaining development process
- Professional experience in various domains
- Proficient in Python and Django
- Skilled in developing ETL pipelines
- AWS Certified
- Advanced management skills, experience in leading teams up to 10 people
- Confident English speaker