Mikhail Polykovskii

Lead python developer, techlead, software architect

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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 (B2), Russian (C2)

Profile

- 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/FastAPI/Flask
- AWS Certified
- Advanced management skills, experience in leading teams up to 10 people
- Confident English speaker

Projects

NDA, Sites building

04/2023 - present

FastAPI - PostgreSQL - Kafka - Kubernetes - GCP

FoodRocket, Food delivery app, the best in its segment \square 11/2022 – 03/2023

Position: Lead python developer

- Launched several microservices from the scratch
- Picked up legacy code and made it suitable for further development (tests, refactoring, simplification, unification with other services in the company)

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 $\ \ \Box$

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