SENIOR BACKEND ENGINEER · PYTHON & GO

Mikhail Rogozin

Backend engineer with 6+ years in software development. I build services in Go and Python and take responsibility for architecture, implementation, reviews and delivery.

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Saint Petersburg, Russia · Open to relocation
LinkedIn
Telegram
Habr
Portfolio

EXPERIENCE

Backend Engineer, L4 · Avito

November 2024 to present

I work on an internal workforce budgeting platform used by C&B, FP&A and HR administration teams. My scope covers backend architecture, implementation, reviews, releases and production reliability across several Go services.

Since summer 2025, I have acted as technical lead in a group of four backend engineers, including myself. I break down work, review designs and code, and remain an individual contributor.

Go · PostgreSQL · Kafka · REST · internal RPC · CI/CD · Kubernetes · Helm

Senior Software Engineer (Python) · Alar Studios

August 2023 to September 2024

I worked on SCAILIUM and owned the backend and automated tests for its customer diagnostics project. I proposed the solution, built the Python service and Docker Compose distribution, prepared dashboards and documentation, and continued supporting the project after its first release.

I also expanded the automated test suite and helped engineers who were new to the codebase.

Python · Flask · PostgreSQL · SCAILIUM · MongoDB · Grafana · Loki · Prometheus · Tempo · Docker Compose

Middle Python Backend Developer · Group-IB

August 2022 to June 2023

I developed the backend flow for analysing PDF attachments in Managed XDR. The service opened documents in an isolated virtual machine, simulated user actions, collected the resulting data and passed it to analyst-defined detection rules.

During a two-month pilot across three companies, the system processed about 80 GB of PDF files, including customer test environments. Analysts confirmed malicious files in 37% of the pilot sample, with false positives below 1% of detections. The feature was released for all customers.

Python 2.7 · MySQL · MongoDB · Docker · Ubuntu

FEATURED ENGINEERING CASE STUDIES

Attrition forecasting for an internal workforce budgeting platform

I took the backend work from the first stakeholder interviews to production in under four months. The released feature calculates monthly attrition and headcount restoration, includes the resulting workforce costs in budgeting scenarios, and sends the data to IBM Cognos Analytics.

Go, PostgreSQL, IBM Cognos Analytics

On-premise customer diagnostics for SCAILIUM

I proposed and built a diagnostics stack for SCAILIUM customer installations in under two months. It collected logs, metrics and query traces, and replaced the previous ELK workflow across customer environments.

Python, Flask, Grafana, Loki, Prometheus, Tempo, Docker Compose

TECHNICAL PROFILE

Backend	Go · Python · REST · internal RPC · microservices
Data and messaging	PostgreSQL · Kafka · Redis · MySQL · MongoDB
Architecture	Domain modelling · Clean Architecture · Domain-Driven Design · service boundaries · API design
Production	CI/CD · metrics · dashboards · alerts · SLI/SLO · Docker · working knowledge of Kubernetes and Helm
Testing	Unit tests · integration tests · automated scenarios · code review

EXPERIENCE

Python Backend Developer · Lumos

January 2021 to May 2022

I was the only developer on a small excursion booking website. I implemented a location-first recommendation ranking based on the user's city, interests, history, age and ratings, then released it in about one month.

I also maintained the backend and made small frontend changes when needed.

Python · Django · Django REST Framework · PostgreSQL · Celery · Redis · Docker Compose

Instructor, later Junior Developer · CodeClass

January 2019 to December 2020

I taught Python, JavaScript, Unity and introductory C# to two small groups. During the last months of the project, I also made small Python and frontend changes to the company's website. A senior developer handled production releases.

Independent Python Developer · Independent work

2018 to 2020

For a private client, I built a Python pipeline that found and downloaded thousands of public real-estate declarations from dom.rf, extracted text from the PDF files, normalised the data and exported it to Excel.

I also developed a calculation tool for a large basketball dataset containing teams, matches and scores by round.

TEACHING, WRITING AND AWARDS

Lecturer · ITMO University

February 2025 to present

I teach Go Programming and Software Architecture/System Design to 80 third-year bachelor's students in the Avito Start programme at the Faculty of Information Technologies and Programming. I have delivered 10 lectures and 13 practical sessions, authored 20 learning materials, and assessed laboratory work, projects and exams.

SQL and PostgreSQL notes for backend interviews

275K+ views · A practical Russian-language guide to transactions, isolation levels, indexes and query planning.
Read on Habr

1st place in the Group-IB track

Startup Hackathon 2021

I built the Python and Tkinter application layer, integrated the team's recognition model and presented the result. The win led to a technical interview and an offer from Group-IB.

1st place in the Aeroflot challenge

Leaders of Digital Transformation 2023

Our three-person team built a recommendation service for forecasting flight demand. I developed and deployed the Streamlit application, prepared the data visualisations and file-upload flow, and represented the team at the final presentation. The team received a total prize of ₽1 million before tax.

EDUCATION

A.F. Mozhaisky Military Space Academy

September 2016 to June 2021

Five-year Engineering Specialist Degree in Aircraft Control Systems

Graduated with honours · GPA 5.0/5.0 · Gold medal

Thesis: Spacecraft Attitude Determination Using Triangulation