

Ilya Mikheev *Golang Developer 5+ years of experience*

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About

Go Backend Developer with **5 years** of commercial experience and strong **blockchain expertise** (a **core Ethereum** contributor). I've worked in both product and infrastructure teams, from small groups of 2-5 people to larger teams of around 20, in both on-site and remote settings. In a Team Lead position, I had experience in requirements gathering and setting up automated release pipelines with high test coverage built from scratch. Also, I maintained and improved legacy systems. In a **Web3** role, I developed from scratch a crypto-asset routing algorithm **comparable to 1inch and Odos**. Additionally, in another Web3 position, I optimized C bindings and RPC requests by **10-20%**.

In addition to that, I really enjoy language learning. I speak four languages: Japanese, Spanish, English, Russian. Also, I maintain multiple pet-projects and a self-managed homelab.

Skills

Golang/C



Fiber Echo Go-Ethereum Telegram Bot API libmdbx

Blockchain



Ethereum Ton Bitcoin Solidity Web3 Uniswap

Databases



SQL PostgreSQL MongoDB Redis Kafka PowerBI

Other Related



Python Django React JS Javascript Scrum Agile Git
Linux Docker Kubernetes Grafana

Professional Experience 5 years 4 months

06/2024 – Present

Senior Go Engeneer 1 year 7 months

Zug, Switzerland

Erigon AG [↗](#)

Currently, I'm working in an open source project *Erigon* [↗](#) (Ethereum Node). In this project

- I have **reduced latency** for C bindings of MDBX (now I'm core *mdbx-go* [↗](#) contributor) by 12%.
- I have implemented transaction-level granularity, that leads to a **huge latency reduction** (34%) of tx related RPC queries.
- I have developed the versioning for snapshots that allows as to constantly and painlessly upgrade our file schemas that lead to a disk footprint **reduction for about 50%**

10/2023 – 06/2024

Middle+ Core Go Developer 9 months

Yerevan, Armenia

Lamoda [↗](#)

- Migrate all the core backend system from one primary key to another (law restriction). That affected **registration, authorization, check-out page** and many other places.
- Implemented **WebAuthn-based** authentication, enabling **secure passwordless** login across the platform.

07/2023 – 10/2023

Middle Go Developer (De-Fi startup, NDA) 4 months

Tbilisi, Georgia

Yad.Finance [↗](#)

- designed and implemented the **core algorithm** for optimizing the search of the most profitable path to swap crypto assets. It was **on par with 1inch and Odos**

04/2022 – 07/2023

Remote

Team Lead Manager 1 year 4 months

BlackWallGroup [↗](#)

- Designed and built a transactional financial system from scratch, including a point-based accounting core. Stack: Go (Fiber), PostgreSQL, Redis.
- Architected and launched a cryptocurrency processing system in production using go-ethereum, Fiber, and PostgreSQL.
- Led the engineering team and delivered key platform components: a streamlined two-field onboarding flow with Telegram integration and referrals; a balance-safe order queue preventing negative operations; and a full treasury subsystem for tracking all financial activity.
- Managed third-party integrations, collaborated with clients on API design, and initiated continuous improvements across development processes, Gitflow, testing, and incident response.
- Established and scaled a structured QA process, cutting the volume of production bugs by 5x and stabilizing the platform under high load (supported by stress-test analysis).
- Oversaw code quality via MR reviews, mentored new developers, and successfully guided the team through a leadership-related release crisis, completing the release and enabling the product to reach profitability.

09/2021 – 01/2022

Remote

Full-stack Developer 5 months

Althaus LLC [↗](#)

- developed CMS from scratch on ReactJS + Django

09/2020 – 09/2021

St. Gallen, Switzerland

Quantum Developer 1 year 1 month

Terra Quantum AG [↗](#)

- development of devices and computer programs for quantum computers;
- development of computer software;
- consultations in the field of information technology and computer technology;

Education

09/2019 – 09/2023

Moscow, Russia

Bachelor degree at Applied Mathematics and Physics

Moscow Institute of Physics and Technology [↗](#)

Languages

English

B2+

Russian

C2

Spanish

B1

Japanese

N3

Personal Brand

I run a personal blog [↗](#) and a Telegram channel [↗](#) where I write about backend development, blockchain work, language learning, and my approaches to time-management. I also maintain a number of open-source pet projects on GitHub [↗](#), mostly in Go and around Ethereum tooling. This gives me a place to experiment, document what I learn, and share it with anyone who might find it useful.