

Mark Arapov

Backend Engineer (Go)

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Summary

Backend engineer with 4+ years of production Go experience across ad-tech and warehouse systems. Owns delivery from system design to production operations, including cross-team projects at Wildberries and an internal API gateway used by several products. Experienced in mentoring engineers and leading feature delivery.

Technical Skills

Backend

Golang, gRPC, REST APIs, NATS, RabbitMQ, PostgreSQL, Redis (Sentinel), MongoDB

Also: TypeScript, React / React Native, HTMX

Infrastructure

Docker, CI/CD, Linux, Nginx, Traefik, Grafana, Prometheus

Practices

System design, Clean Architecture, DDD, TDD, OpenAPI, code review, mentoring

Experience

Senior Backend Engineer

Sep 2025 - Present

Ad-tech platform (contract)

- Reworked the core of a mobile measurement platform (MMP), replacing hardcoded attribution logic with per-app flows whose steps can be added, removed, or reordered without deploys.
- Achieved an attribution match rate of ~30-35%, compared with ~20% using the previous tracker.
- Built an internal API gateway for authentication, authorization, and user management across several products; helped consolidate team workflows into one interface, automating manual work and reducing coordination overhead.
- Supported adoption through test campaigns run by internal teams before broader use.
- Set up server infrastructure, CI/CD, and monitoring with Grafana and Prometheus; took responsibility for uptime and production failures, investigating issues through logs and metrics.

Stack: Golang, PostgreSQL, Redis, Docker, Grafana, Prometheus, Nginx

Backend Engineer — Warehouse Operations

Oct 2023 - Sep 2025

Wildberries (remote)

- Split the order-creation flow (~1.5M events/day) into domestic and cross-border queues for international expansion; built an in-memory office-geo cache (inverted index, O(1) lookup) to keep country resolution off the hot path.
- Delivered supplier-return order creation in the repack domain end to end after the original owners left: recovered context from internal docs and git history; negotiated an API extension with the defects team; decomposed work for frontend, mobile, and DB engineers.
- Interviewed 20 trainee candidates and mentored a team of 5; 3 stayed with the company as engineers.
- Contributed across 6 warehouse domains: repack, defects, checkpoint, order creation, lost & found, and write-off disputes; held maintainer permissions, including merges to the main branch, in several repositories.

Stack: Golang, NATS, Tarantool, PostgreSQL, Traefik, Docker

Backend Engineer

Feb 2022 - Oct 2023

Early-stage startups (remote)

- Built REST APIs and JWT-based authentication for early-stage products.
- Designed MongoDB data models and integrated Cloudinary for image hosting within a zero infrastructure budget.

Stack: Golang (Gin/Echo), MongoDB, PostgreSQL, Docker

Frontend Engineer — PrimeGate (remote)

2021

React Native mobile app for a CRM: 23 screens, compound-component architecture, Redux.

Education

Ural State University of Economics (USUE)
Bachelor's degree — expected 2027

Languages

Russian — native
English — A2; studying toward B2

Open Source

github.com/withoutasecondthought/herald — zero-dependency User-Agent parser, in production across company services.
github.com/withoutasecondthought/logger — request-scoped structured logging on top of zerolog.