Nikita Zakharenko

Golang Software Engineer

Remote (Location: Serbia, Belgrade) · 4+ years of backend experience in Go

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SUMMARY

Backend engineer with 4+ years of Go experience. At Wildberries I design and ship services for e-commerce and supply-chain operations and own them from architecture through release to production support, with a focus on ClickHouse analytics and PostgreSQL performance.

EXPERIENCE

Golang Software Engineer

Oct 2024 - Present

Wildberries · Full-time · Remote

Major Russian e-commerce and supply-chain platform.

- Led ClickHouse schema design and query development. Optimized aggregations for real-time PVZ turnover analytics on a **>10B-row (~1 TB)** table in a single-shard setup; the service API responds in **≤300 ms**.
- Optimized a **350 GB PostgreSQL table** with recurring deadlocks by analyzing slow queries, execution plans, and index usage.
- Designed service architectures and led development of **2 high-load services** from scratch, with complex business logic.
- Owned the full release cycle and production support across **7 projects** in the team namespace.
- Designed REST and gRPC APIs and an RBAC system for an internal employee support platform.
- Rolled out Pyroscope and Jaeger across team services; built Grafana dashboards for business-critical services.
- Built WebSocket-based real-time notifications and carried out PostgreSQL-to-ClickHouse data migrations.
- Built employee performance metrics covering CSAT, RSA, SLA, and related KPIs, including for second-line support specialists.
- Managed infrastructure requests, 24/7 incident response, and direct access to production environments and data.
- Worked directly with product owners, department heads, and C-level stakeholders to align requirements and priorities; acted as the technical point of contact between business and engineering across departments and teams.
- Led code reviews, wrote unit and integration tests, and configured corporate AI-assisted code review.
- Developed a wrapper around a proprietary LLM for frontline employee support and integrated it into a custom WebSocket chat.

Stack: Go, PostgreSQL (pgx, goose), ClickHouse, Kafka, Redis, gRPC, GitLab CI, Docker, HAProxy, Jaeger, Grafana, Prometheus, OpenSearch, CQRS, DDD

Founder & Backend Engineer

Oct 2024 - Oct 2025

NorkinVPN · Self-employed · Moscow, Russia

- Founded and ran a subscription VPN service built on **VLESS and 3x-ui**; grew it from the first commit to **~200 paying customers** on **3 servers** handling **~4.5 TB of traffic per day**.
- Owned the business end to end: engineering, infrastructure, payments, customer support, and legal matters.

Backend Developer

Jul 2022 - Oct 2024

Safe Region LLC · Full-time · Yaroslavl, Remote

Cloud CCTV and city notification systems.

- Built the core alerting stack (Node.js + Go) for a city-wide notification service: synchronous alerting, SIP terminal grouping, martial-law emergency notifications, and a modular VoIP integration layer.
- Wrote unit and e2e tests, configured test and production environments, and introduced TDD on a project with no QA.

Stack: Go, Node.js, PostgreSQL (GORM, pgx), MongoDB, Gorilla Mux, GitLab CI

EDUCATION

Bachelor's degree, Computer Science

Sep 2022 - May 2026

Russian University of Transport (MIIT) · GPA 4.3 / 5.00

09.03.01 Informatics and Computer Engineering · Dept. of Digital Transport Management Technologies

- Presented a talk and product on predictive analytics for car-sharing vehicle breakdowns at a Russian transportation infrastructure conference. Trained a neural network and built a web service that became the foundation of my bachelor's thesis.
- Led a university lecture course on Data Warehouse Design (ClickHouse) for my cohort.

Software Development (Golang)

Nov 2022 - Dec 2024

School 21 · Supplementary program by Sberbank (École 42 model)

- Completed the core Go curriculum. Graduated as one of 100 students from an initial cohort of about 1,500.

Professional Retraining, AI & Machine Learning Analyst

Sep 2024 - May 2025

Russian University of Transport (MIIT) · GPA 5.0 · Continuing professional education

- Professional retraining in Artificial Intelligence and Machine Learning; developed a classification system for paintings (fine art).

SKILLS

Languages	Go, SQL, Bash, C++, Java
Data & storage	ClickHouse, PostgreSQL, Kafka, RabbitMQ, NATS, Redis, MongoDB
Backend	gRPC, REST, WebSocket, CQRS, DDD, SOA
Platform	Docker, Kubernetes, Linux, GitLab CI
Observability	Grafana, Jaeger, Prometheus, Pyroscope, OpenSearch
Spoken	Russian (native) · English (B1+) · German (B2)