

Roman Vassilchenko

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Go Backend Engineer (GMT+5, Astana) focused on high-load Go microservices: gRPC/REST API design, optimization, PostgreSQL, Kafka. Split monoliths, built internal libraries, and launched DACA — a public procurement analytics platform. I value code quality (tests, linters).

Key Skills

Tech Stack Golang, Python, gRPC, REST/HTTP, Protocol Buffers (ProtoBuf), PostgreSQL, Redis, ClickHouse, Vertica, Kafka, MinIO/S3, Docker, GitHub Actions, Makefile, Grafana, Prometheus, Loki.

Work Experience

GO BACKEND DEVELOPER OZON

2023 — PRESENT

HR Platform “Matrix” production; microservices; high traffic

- Optimized complex SQL queries, accelerating candidate lists up to 8×.
- Rewrote filter search in ElasticSearch — speed improved 2.5×, load decreased.
- Integrated Chatzone (Mattermost) via a separate gRPC notification service with sharding and delayed Kafka dispatch — team leads began responding to applications faster.
- Built Grafana dashboards for error monitoring; the team immediately adopted them and we started responding to anomalies faster.

Tech Stack Go, PostgreSQL, Redis, ElasticSearch, Kafka, ClickHouse, gRPC, REST

Internal Portal (Staff Portal) production; monolith → microservices

- Led monolith splitting: extracted employee info to a separate service, reducing load by 20–25
- Created **staff-lib** — a library of common wrappers for DB, validation, middleware, and errors. Used by dozens of services.
- Implemented a system to reclaim seats from no-shows + block them if absence is systematic.
- Built a background export from Ozon Forms to Vertica with convenient support for new analyst teams.

Tech Stack Go, gRPC, PostgreSQL, ClickHouse, Redis, Kafka, Vertica

Education

B.SC. IN SOFTWARE ENGINEERING ASTANA IT UNIVERSITY (AITU), ASTANA

2023 — 2025

B.SC. IN SOFTWARE ENGINEERING ITMO UNIVERSITY, ST. PETERSBURG

2021 — 2023

Additional

- Full-time (on-site / hybrid / remote).
- Interested in product teams with complex stacks and engineering challenges.

Languages

- Russian — Native
- English — Upper-Intermediate (B2)

FOUNDER / BACKEND DEVELOPER *DACA — DIGITAL ANTI-CORRUPTION ANALYSIS*

10/2024 — PRESENT

- Public procurement analytics service: risk indicators, procurement connections, exports, graphs.
- Used by law enforcement agencies of Kazakhstan in corruption-related cases.
- Architecture: microservices, PostgreSQL, MinIO, GraphQL API, schema managed via Buf.

Tech Stack

Go, PostgreSQL, MinIO, GraphQL, Buf, Excel export