

Contact

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Top Skills

GitOps
ClickHouse
Software Architecture

Languages

Russian (Native or Bilingual)
English (Professional Working)
French (Elementary)

Roman Domrachev

Head of Development | Principal Backend (Go)
Yerevan, Armenia

Summary

I design and run low-latency, high-throughput backends in Go—event-driven services that stay fast, observable, and cost-efficient at scale. WebSockets infrastructure for hundreds of thousands of concurrent viewers and Kafka→ClickHouse analytics that ingest ~1M events/day.

My focus: predictable throughput, low tail latency, cost-efficiency, and operability under load. I favor simple, measurable designs (clear SLIs/SLOs, backpressure, idempotency) and invest in observability, so failures are shallow and cheap.

What I bring:

- * Throughput & reliability: event-driven Go services with bounded queues, circuit-breakers and observation instrumentation.
- * Data at speed: Kafka / Redpanda (partitioning & keys that match access patterns), ClickHouse (aggregated views, TTLs, rollups).
- * Ops rigor: Kubernetes, GitOps CI/CD, Terraform & Ansible for infrastructure as code (IaC), alerting that reflects user impact.
- * Cost discipline: lean storage/egress, right-sizing, and aggregation strategies that cut waste.

Core stack: Go, Kafka, ClickHouse, PostgreSQL, Redis, WebSockets, Kubernetes, GitOps, Prometheus/Grafana.

Industries: live video, collaborative streaming, usage analytics, SaaS backends.

Open: Remote (EU). Relocation: France.

Experience

Brandis

Head Of Development

September 2018 - Present (7 years 1 month)

Vilnius, Vilniaus, Lithuania

Operating at principal scope across the streaming platform, engineering standards, and SLOs.

- * Built & operated a custom Go WebSockets server for live events; supported ~400k concurrent viewers with $p95 \leq 300$ ms (95% of requests < 0.3 s) and controlled spikes 1–3 s.
- * Event collector: Ingesting ~1M analytics events/day up to 5k events/s peaks.
- * Streaming analytics: Kafka / Redpanda → ClickHouse with 15-minute micro-batches (MergeTree-friendly). Reduced part churn and write-amplification, stabilized merges, and kept query SLAs predictable at a materially lower cost.
- * Buy vs build (2018–19): off-the-shelf options required ~2–3× infra and added ~500 ms p95 vs SLO. Custom server met targets and reduced cost ~2–3×.
- * Hardened operations: Kubernetes + GitOps, fast/clean rollouts, autoscaling on application metrics, SLO-based alerting.
- * Developer speed: internal Go service starter (structured logs, metrics/tracing, graceful shutdown, CI templates).

Stack: Go, Kafka, ClickHouse, PostgreSQL, Redis, WebSockets, Kubernetes, Prometheus/Grafana.

Lingualeo

4 years 1 month

CTO

March 2018 - September 2018 (7 months)

Moscow, Russian Federation

Drove SOA migration and shipped Go services for platform core flows.

Introduced NLP (spaCy) pipelines to generate grammar exercises from site content; cut time-to-content by automating generation.

Stack: Go, Python (spaCy), PostgreSQL, Redis, Docker, CI/CD.

Backend Team Lead

January 2016 - March 2018 (2 years 3 months)

Moscow, Russian Federation

Work on an internal framework to standardize components (auth/logging/metrics), reducing boilerplate across services.

PHP Developer

September 2014 - January 2016 (1 year 5 months)

Moscow, Russian Federation

Integrations, support tooling, scheduling/notifications.

Magnetic Project

Full-stack Developer

February 2011 - August 2014 (3 years 7 months)

Omsk, Omsk, Russia

Outsourced work; full-stack on e-currency exchanger.

Premier Publishing House

Web Developer

September 2009 - February 2010 (6 months)

Omsk, Omsk, Russia

Magazine website; ad sync from editorial DB.

Education

Omsk State Technical University (OSTU)

Infocommunication Technologies And Communication Systems · (September 2009 - September 2011)