

# Asman Malikov

Senior backend engineer & technical lead. Distributed systems, payments, AI-native.

asman@asmanmalikov.com · [linkedin.com/in/malikov73](https://www.linkedin.com/in/malikov73) · Tbilisi, Georgia · Remote

---

## SUMMARY

Senior backend engineer and team lead. I design and operate distributed systems in Go and Python — event-driven microservices over Kafka and gRPC, a real-time ClickHouse analytics stack, and money-critical flows made safe with idempotency and observability. I currently lead a team of four on a B2B payments platform, turning product ideas into production-ready systems.

## EXPERIENCE

### Backend Team Lead / Senior Backend Engineer (Go / Python) · Korvax

Jul 2022 – Present

Cyprus (remote) · Backend architecture and technical leadership for a B2B payments platform — distributed microservices, event-driven integrations, and a real-time analytics stack. Korvax delivers custom digital products and business systems for clients across multiple industries, including financial services.

- Led a team of 4 backend engineers — owned architecture direction, set code-review and testing standards, and mentored the team to ship independently.
- Architected billing, notification, and crypto-payment microservices in Go (Gin) and Python (FastAPI), using gRPC for synchronous calls and Kafka for event streaming between services.
- Made money-critical flows safe under retries and duplicate delivery with idempotency keys and a producer outbox → consumer inbox dedup pattern — eliminating double-processing of payment events.
- Designed a dedicated ClickHouse reporting service that ingests payment events via Kafka, isolating analytics from the transactional PostgreSQL path and cutting report generation from ~30s to under 2s as volume grew past 1M+ events/day.
- Optimized PostgreSQL and ClickHouse for analytical workloads — connection pooling, partitioning, and pre-aggregation — keeping reporting fast as data grew.
- Instrumented production observability with OpenTelemetry tracing, Prometheus metrics, and Grafana SLO dashboards, cutting incident MTTR from ~20 to ~5 minutes.

Go · Gin · gRPC · Python · FastAPI · Kafka · ClickHouse · PostgreSQL · Redis · Docker · OpenTelemetry · Prometheus · Grafana

### Backend Developer · Amit agency

Feb 2020 – Oct 2022

Remote · Built custom web and backend solutions for SMB clients, focusing on CRM systems, third-party integrations, and business process automation. Amit agency is a software development agency building custom web platforms, CRM systems, and SaaS integrations for small and medium-sized businesses.

- Migrated a monolithic e-commerce platform to microservices (FastAPI, PostgreSQL, Redis) incrementally with an expand/contract approach — each service proven in production before the next cut, keeping the platform at ~100% uptime throughout.
- Built a custom CMS for the e-commerce platform hodoor.com, powering catalog and content for international expansion.
- Designed an automated translation pipeline for 30+ languages on Celery task queues and Yandex Cloud Translate — localizing content continuously with human spot-checks instead of manual translation.
- Set up CI/CD on GitLab (Docker + Swarm) and Sentry error monitoring — turning manual deploys into repeatable releases and surfacing production errors before users reported them.
- Built ETL pipelines to migrate data from legacy systems without downtime.
- Designed authentication and UGC modules (chats, reviews) with real-time delivery over WebSocket.

Python · FastAPI · Celery · PostgreSQL · Redis · Docker · Docker Swarm · GitLab CI · Sentry · Traefik · Cloudflare · WebSocket

## SKILLS & TECHNOLOGIES

---

<b>Languages</b>	Go, Python
<b>APIs &amp; messaging</b>	gRPC, REST, Kafka, Event-Driven Architecture
<b>Data</b>	PostgreSQL, ClickHouse, Redis
<b>Reliability</b>	Idempotency & Outbox, Distributed Systems, Graceful shutdown, Rate limiting
<b>Infra &amp; delivery</b>	Docker, Kubernetes, CI/CD, Traefik, Cloudflare
<b>Observability</b>	OpenTelemetry, Prometheus, Grafana, Sentry
<b>Leadership</b>	Team lead, Architecture, Code review, Mentoring
<b>AI</b>	LLM integrations, RAG pipelines, AI-assisted engineering

## EDUCATION

---

ITMO University — BSc, Programming in computer systems (2016–2020)

[asmanmalikov.com/en/](https://asmanmalikov.com/en/)

[Live version](#), [proof library](#) and [AI-readable resume](#)