

ASADBEK KURBONOV

Backend Software Engineer

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SUMMARY

Backend engineer with production experience in Go and Python across high-throughput services, payment systems, and APIs. At MyTaxi.uz, built a surge-pricing service with a Go/Fiber read layer (50 μ s p99) fed by a Python/Polars calculation pipeline. Currently building developer tooling and systems software: a DSL with its own interpreter (slocode.cc) and a log storage engine with custom indexing (MSc thesis). Comfortable picking up new languages; focused on systems thinking, clean APIs, and shipping reliable software.

Based in Warsaw, Poland. NAWA Banach Scholarship recipient (competitive Polish government scholarship).

EXPERIENCE

MyTaxi.uz — Ride-hailing platform in Uzbekistan

Jan 2023 – Apr 2026

Software Engineer

- Designed and shipped the surge-pricing service: a Go/Fiber read layer serving multipliers from an in-memory store with H3 geospatial indexing, fed by a Python/Polars calculation pipeline. 50 μ s p99 at 25,000+ RPS (Go, Fiber, Python, Polars)
- Owned the backend for scheduled orders, a cross-team initiative: drove implementation across client and driver teams and shipped to production (Golang, microservices)
- Automated partner fee disbursements via banking API integration, eliminating manual accounting errors and establishing a single source of truth for transfers (Python, Celery, PostgreSQL)
- Diagnosed and resolved production billing-system issues across the payments stack; became the team's go-to for billing bugs

Self Employed

Aug 2024 – Present

Software Engineer

- Built and operate a multi-tenant SaaS platform for fleet/expense management, in production with active clients (Python, Django)

PROJECTS

SloCode — DSL & interpreter for DSA visualization

Jun 2025 – Present

Language tooling · slocode.cc

- Designing a domain-specific language for visualizing data-structure and algorithm execution — grammar, lexer, parser, and tree-walking interpreter — with a public playground at slocode.cc. Migrating interpreter to Go; frontend in TypeScript (Go, TypeScript)

logd — Log storage & query engine

May 2025 – Present

Systems · MSc thesis · github.com/advenn/logd

- Building a log storage and query engine with a custom storage layer and inverted indexing over configurable terms; in active development as MSc thesis (Go)

EDUCATION

Polish-Japanese Academy of Information Technology (PJAIT)

Oct 2025 – Jul 2027

MSc in Computer Science

Warsaw, Poland

Tashkent State University of Economics

Sep 2019 – Jul 2023

Bachelor's in Economics — Full government scholarship

Tashkent, Uzbekistan

SKILLS

Languages: Go, Python, TypeScript, JavaScript, SQL

Frameworks: Fiber, Gin, Django, FastAPI, Flask

Databases: PostgreSQL, MySQL, Redis, SQLAlchemy

Cloud & Infrastructure: AWS (EC2, S3, RDS), Hetzner, DigitalOcean, Docker, Docker Compose, Linux

CI/CD: GitHub Actions

Messaging: NATS

Observability: Grafana, Prometheus, Loki

Other: REST API, GraphQL, WebSocket, Celery, microservices, parser/interpreter design, pandas, polars, Git

Spoken Languages: English (C1), Russian (conversational), Uzbek (native)