BACKENDS FOR PUBLIC SERVICES

I am a senior backend engineer working with Go, PostgreSQL and distributed systems. At UZINFOCOM, the state IT integrator of Uzbekistan, I work on national e-government platforms.

I have built web applications since 2016: first full stack, then backend systems for a national payment network and the government.

I set team coding standards, review code and mentor developers. My open-source Go API starter is the base for new services on my team.

' studied Japanese full time in Tokyo for 15 months and I am relocating to Tokyo in February to March 2027.

EXPERIENCE

Senior Backend Developer

October 2023 to present

UZINFOCOM (state IT integrator of Uzbekistan), Tashkent

my.gov.uz

National e-government services portal, 16M+ users, 20+ public-sector domains.

- Cut the daily deadline-check batch over 1M+ tasks from ~18 h to ~1 h (18x). The load is spread across 20 parallel queue workers, 5,000 tasks each.
- Shipped a 5-language AI assistant (RAG) for the portal's 16M+ users, with multi-turn conversation memory.

hisobot.gov.uz

Government reporting platform with 16 agencies, 100+ report types and legally binding submissions.

- Led the full backend rewrite from PHP to Go for 16 government agencies and 100+ report types: 3 microservices, a configurable multi-step approval workflow engine and digital-signature (EDS) submissions.
- Replaced the graph-database workflow engine (JanusGraph) with PostgreSQL: faster queries and one less system to operate.

enterprise.gov.uz

Enterprise Uzbekistan, the platform for a special legal and investment jurisdiction.

- Built the backend from zero and own all architecture decisions: company registration and onboarding for foreign residents, investment inquiry management and a content platform.

Saxiy Market

POS customer and subscription platform with face recognition.

- Built the platform from zero with face recognition as the customer identification method at the point of sale: customer and subscription management, NFC POS integration, Telegram bots and a multilingual admin panel.
- Open-sourced fiber-v3-template, a Go API starter with 13 optional modules, now the base for new services. Set team coding standards, review code and mentor developers.

Senior Backend Developer

September 2021 to June 2022

UZCARD (national payment network), Tashkent

- Built an insurance CRM for Kafolat Insurance end to end: client onboarding, the full policy lifecycle (creation, calculation, transfer, approval), payments and invoicing, OSAGO and travel insurance lines.
- Designed the microservice messaging (RabbitMQ RPC) and the role-based access model across all modules. Ran code reviews and mentored junior developers.

Full Stack Developer

November 2019 to April 2021

Perfect Consulting Group, Tashkent

- Sole developer for several lead-generation websites end to end, from requirements to deployment. Informal team lead: planning, coding standards and mentoring a junior developer.

Full Stack Developer (part-time)

May 2016 to July 2019

Cybernet Group, Tashkent

- Built and maintained responsive client web applications end to end, frontend and backend.

SKILLS

LANGUAGES AND FRAMEWORKS	Go (Fiber v3), PHP 8 (Yii2, Laravel), Python (FastAPI), SQL, TypeScript, JavaScript

BACKEND AND ARCHITECTURE	REST API design, gRPC / Protocol Buffers, WebSocket, microservices, DDD (Domain-Driven Design), SOLID, repository / service layering, workflow engines, OAuth2, JWT, RBAC (role-based access control), digital signatures (EDS), Telegram Bot API, NFC / POS integration, i18n
POSTGRESQL AND DATA	query optimization (EXPLAIN ANALYZE, GIN indexes, CTEs, UNION ALL, raw SQL over ORM / Active Record), pgx, pgvector, Redis, MySQL, JanusGraph
MESSAGING	NATS JetStream, RabbitMQ (RPC)
INFRASTRUCTURE AND OBSERVABILITY	Docker, Kubernetes, GitLab CI/CD, Linux, OpenTelemetry, Prometheus, structured logging
APPLIED AI	RAG (retrieval-augmented generation), hybrid vector and keyword search, reranking, multi-turn session memory, face recognition (customer identification), vLLM self-hosted LLM inference

EDUCATION

September 2016 to July 2020 — **Tashkent University of Information Technologies**

BSc, Computer Software Engineering

July 2022 to October 2023 — **ISI Japanese Language School, Tokyo**

Intensive Japanese Language Program (full-time)

Lived in Tokyo for 15 months. Completed N3-level coursework, with classes and daily life entirely in Japanese.

LANGUAGES

English	Japanese	Russian	Uzbek
Professional	JLPT N3 level (exam December 2026)	Native	Native

CONTACT

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