Guvanch D.

Backend Developer · 5+ years of experience · Node.js / TypeScript / Go

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Ashgabat, Turkmenistan · Open to remote and office roles
Portfolio: www.guvanch.site

SUMMARY

I'm a backend developer with 5+ years of commercial experience (since 2021), specializing in Node.js, TypeScript and Go. I build REST APIs, microservices, distributed and real-time systems, and AI-powered products.

I contributed to e.gov.tm, Turkmenistan's unified government services portal. My strongest area is data: SQL, query optimization, transactions, locking and concurrency. I deploy and operate what I build — Docker, Linux servers and production environments.

EXPERIENCE

Turkmenportal · Backend Developer — Jan 2025 — Present

`Node.js · Fastify · nginx · PM2 · systemd`

- FIFA API with streaming delivery of files up to 2.5 GB
- Designed and configured the production infrastructure
- Backend API for a multilingual media library
- Set up nginx, HTTPS, PM2 and systemd

Launchist · Backend Developer — Jan 2024 — Dec 2024

`Go · Echo · Python · FastAPI · PostgreSQL · Supabase · MongoDB · Redis · Cloud Run`

- launch-tools — multi-tenant Go/Echo platform: RAG knowledge base, data validation and enrichment tools, async jobs via Cloud Tasks and webhooks, usage metering with Lago
- Yepic AI — backend of an AI video-avatar SaaS: Lago and Stripe billing, plan-gated public API, avatar training on Vertex AI, real-time conversations via Tavus and Daily
- GHZ — backend and admin panel for a market-research panel: MongoDB-backed processing pipeline, Airtable sync, WhatsApp via Twilio, live logs over WebSocket and SSE
- Client integrations: web-scraping service (Go/Gin + Puppeteer), WhatsApp messenger (Go/Echo + Twilio), payment reconciliation for Go DGTL, CRM and webinar automation
- Deployments to Google Cloud Run via Cloud Build
- Database optimization, caching, code review and mentoring

e.gov.tm · Backend Developer — Jun 2022 — Dec 2023

`Go · PostgreSQL`

- One of two backend developers on the platform
- Integration of government and payment services
- Contributed to a platform that ran 40+ online services by early 2024

Nesip Etsin · Frontend Developer — Sep 2021 — May 2022

`Vue 2 · Nuxt 2`

- UI components
- Responsive layouts
- Frontend platform development

SELECTED PROJECTS

aseller — CRM for Amazon Sellers — `Node.js · Fastify · BullMQ · Socket.IO · PostgreSQL · Redis · OAuth 2.1 · MCP`

A CRM and analytics platform for Amazon sellers and their teams — products, suppliers, orders, shipments, freelance requests, chats and AI tools — built as three Node.js services: REST API, background queue and real-time gateway.

Long AI jobs as asynchronous tasks with long-polling · Access control in layers, not in one place · Row locks in a fixed order for shipments · Read cursors instead of a row per reader

e.gov.tm — Government Services Portal — `Go · PostgreSQL`

Turkmenistan's unified portal for government services. I was one of two backend developers on the platform, which grew to more than 40 online services by early 2024.

Each external system behind its own integration module · Payment status changes inside database transactions · Go for the service layer

RAG Knowledge Base

`Go · Echo · LangChain (Go) · PostgreSQL · pgvector · Redis · WebSocket`

A multi-tenant knowledge base in launch-tools, Launchist's Go platform. Teams upload documents, which are embedded into PostgreSQL with pgvector, and chat with them through streamed, source-grounded answers.

pgvector instead of a separate vector database · Namespaces as the unit of isolation and retrieval · Ingestion as its own pipeline with bounded concurrency · Streaming answers with conversation history

Finlens — Personal Finance App

`Flutter · Node.js · Fastify · PostgreSQL · Redis · Gemini API`

A personal finance app I designed and built on my own: Flutter app, Fastify backend and AI features on Gemini — voice-to-transaction, a finance assistant chat and a voice copilot for the app's forms.

Optimistic concurrency with a global change cursor · Never trust model output · Resilient AI calls · Measure the AI instead of guessing

Rowshen — E-commerce Platform — One Go backend for the Rowshen store — website, admin panel and mobile app: catalog, orders, store locations and content, organized as independent domain modules. `Go · Echo · GORM`

Yepic AI — Avatar Video Platform — Backend of Yepic AI, a SaaS for AI video avatars: accounts, a public API, usage-based billing and orchestration of external AI services. Built at Launchist. `Python · FastAPI · PostgreSQL`

Fund-Flow Analytics for Logo Tiger ERP — An analytics service on top of a company's Logo Tiger ERP database that reconstructs where money came from and which projects it funded — across cash, bank, current-account and stock movements. `Go · Echo · GORM`

WhatsApp Campaign Platform — A multi-tenant B2B platform for WhatsApp Business campaigns through Twilio: organizations, contacts and lists, message templates with WhatsApp approval, and bulk sending. `Go · Echo · PostgreSQL`

News Monitoring Platform — A national news aggregation and monitoring platform: collects articles from registered news sites in Turkmen, Russian and English, filters them by keywords and reports coverage. `Go · Echo · GORM`

ERP-Backed E-commerce — One e-commerce backend running two clothing stores — Ojuk Bujuk and Alfinur — directly on top of each client's ERP database in MSSQL, with Nuxt admin panels. `AdonisJS · TypeScript · MSSQL`

POS System for Logo Tiger ERP — A point-of-sale backend integrated with Logo Tiger ERP, keeping products and prices synchronized in real time. `Node.js · Sequelize · PostgreSQL`

Multi-Agent AI Platform — A backend for defining AI agents, assigning them tasks and running them together as crews through an API. `Python · Django · CrewAI`

AI Dictionary for Android — A native Android app for learning English words, built on my own: capture a word from any app, get an AI-written article with translations, then learn it with spaced repetition and AI-generated exams. `Kotlin · Jetpack Compose · Hilt`

SKILLS

Backend development	Node.js, TypeScript, Go, Python, NestJS, Fastify, Express, Echo, Gin, Django
Databases & storage	PostgreSQL, MySQL, MS SQL, MongoDB, Redis, SQLite, pgvector
Infrastructure & DevOps	Linux, Docker, Docker Compose, nginx, CI/CD, PM2, AWS EC2, Sentry
Architecture & engineering	Microservices, REST API, Distributed Systems, Clean Architecture, Dependency Injection, Concurrency, Database Optimization, Transactions & Locking, Real-time Systems
AI & integrations	RAG, LangChain, CrewAI, Anthropic API, Gemini API, Vector Search
Additional technologies	Vue, Nuxt, Flutter, Kotlin, WebSocket, Socket.IO, ffmpeg, HLS