

Mr. Imran Rahimov

Software Engineer / Founder aitools.az

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Summary

Software Engineer & AI Startup Founder with a proven growth journey from **IT Assistant** and **System Administrator** to **Backend Engineer**. I design scalable, maintainable backend systems and **AI/RAG-driven platforms** that support real business operations. I collaborate effectively within **Agile teams**, focus on performance, reliability and process automation, and continuously evolve my engineering approach to deliver long-term value and product impact.

Work Experience

AITOOLS (aitools.az) - Baku, Azerbaijan

CTO & Founder - *June 2025 - Present* | *Baku, Azerbaijan*

- **Customer-Facing AI Agent** - intelligent sales assistant for Telegram/WhatsApp/Instagram/Facebook
 - **Sales Automation Platform** - AI-driven purchase flows, conversion support, and lead qualification
 - **Support Ticket RAG System** - automated ticket routing, classification, and response generation
 - **AI-Enabled CRM** - customer lifecycle management with insight-driven workflows
 - news.aitools.az - [open-source](#) **news chat, analytics & conversational Q&A platform** using embeddings, entity extraction, analysis and interactive visualization.
- Built as a **non-commercial demonstration product** to showcase my expertise in **RAG systems, NLP, data architecture and scalable backend engineering**.

Architected and implemented scalable, asynchronous backend services (**Python, FastAPI**) using **event-driven architecture, Celery, and WebSockets**. Designed full **RAG pipelines** including data ingestion, preprocessing, retrieval, filtering, ranking, message classification, intent analysis, and **NER/NLP** processing. Built cross-platform integrations with **Meta APIs** and third-party providers, implemented **query caching with Redis**, automated testing, containerized deployments (**Docker**), **CI/CD pipelines**, and production-grade monitoring with **Grafana, Prometheus, Loki, and Promtail** - ensuring secure, reliable, and maintainable **AI systems**.

Ezgil MMC (ezgil.az) - Baku, Azerbaijan

Python Backend Developer - *December 2024 - January 2025* (Full Time)

- naftalan.biz - booking & reservation platform for wellness hotels and sanatoriums
- mdportal.az - clinic & staff management system
- medcheckup.az - symptom-based health prediction platform
- **Vaccination App (Google Play)** - vaccination info & reminders for families
- **Hospital Management Solutions** - OR, staff & inventory workflows
- ecourses.az - redesigned & optimized e-learning platform

Designed and developed **scalable, reliable backend systems**, implemented authentication, payments, and third-party integrations, automated testing and deployments, ensured stable production performance, **maintained industry standards and patient data security**, and **managed the development team**.

Webpro (webpro.az) - Baku, Azerbaijan

Python Backend Developer - *October 2023 - November 2024* (Part Time)

- bonyo.az (Google Play) - high-load e-commerce platform with multi-user access and payment integration
- acriera.com (Google Play) - online furniture store with notifications and multi-role support
- b2club.az (Google Play) - club management system with automated workflows
- **Automation Bots** - custom Selenium bots to bypass Cloudflare and automate critical business processes

Developed **scalable backend systems in a microservices architecture**, optimized PostgreSQL databases (schema design, indexing, query tuning), implemented **task queues with Celery**, authentication, payments, and third-party integrations, and ensured **stable production performance for high-load applications**. Worked in **Agile teams**, managing development processes and delivering reliable backend solutions.

Global Logistics (glb.ge) - Georgia

Software Engineer – *July 2023 - October 2023* (Project Based)

Developed a **secure microservice-based platform** and **Chrome Extension** used daily by ~700 auto dealers to work with **Copart, IAAI, and Manheim** auctions **without exposing master-account credentials**. The system supports:

- secure multi-account dealer access
- action logging & screenshots for audit
- Selenium bots for vehicle-purchase data collection
- backend aggregation & synchronization services
- stable, production-grade processing at scale

Built the **Chrome Extension authentication platform**, designed **Django REST backend services** for data storage & sync, engineered **Selenium automation workflows**, implemented **privacy & account-security controls**, added **activity tracking & audit logging**, deployed **monitoring via Sentry**, and delivered the solution as a **scalable microservice ecosystem**.

Bionet (bionet.az) - Baku, Azerbaijan

Software Engineer – *February 2023 - July 2023* (Project Based)

Built an **OCR-driven logistics service** for **166 Cargo** to automate package ID/track-number recognition and **digital-scale weight capture** with real-time **REST API sync**.

VR production (vrproduction.az) - Baku, Azerbaijan

Full Stack Developer – *January 2022 - January 2023*

- Corporate landing pages and client websites (10 +)
- Travel-data collector platform with **20M+ records** stored in **PostgreSQL**
- SMM-focused internal CRM tool automating social-media workflows

Led full-stack development (**Django MVT**), built and maintained REST APIs (**Django REST Framework**), implemented **data scraping pipelines**, optimized **database performance**, and delivered stable, production-ready systems.

Azerbaijan National Museum of Art (nationalartmuseum.az) - Baku, Azerbaijan

System Administrator / Software Engineer – *September 2020 - January 2022*

- nationalartmuseum.az — public-facing site with galleries, events, and optimized images
- Gallery Management System — internal system for managing exhibits and media
- Interactive Exhibit Screens — on-site interactive pages providing visitors with exhibition information

Served as **system administrator**, maintaining **Linux/Windows servers** for continuous uptime. Developed and optimized the **museum website** for high traffic on limited resources, built **Django backend and HTML/CSS frontend**, and ensured reliable operation of all digital services.

Skills

RAG pipelines, OpenAI, Python, Django/DRF, FastAPI, Django Channels, Async/Concurrency, Selenium/Chrome Extension, Celery, Pytest, SQL/NoSQL (PostgreSQL, Redis, MongoDB), Linux/Docker/Kubernetes, CI/CD, Git, Sentry, Monitoring (Grafana, Prometheus, Loki, Promtail), ELK, HTML/CSS, JS, React, Bootstrap/Tailwind, SOLID, Jira

Education

- Information Security, **Odessa National Academy of Telecommunications**, Ukraine - 2013-2017

Languages

- **Excellent (C1)** - Azerbaijani, Russian, Turkish
- **Upper Intermediate (B2)** - English