

AZIZBEK GULOMOV

Product Software Engineer | Developer Tooling | AI Systems

Backend Software Engineer with 2+ years of experience building scalable APIs, distributed backend services and AI-powered products using **Python**, **Django** and **FastAPI**. Interested in **developer tooling**, **systems infrastructure**, **distributed systems** and **engineering platforms** operating at scale

TECHNOLOGIES

Programming languages

- Python
- Basic Rust

Backend

- Django
- FastAPI
- gRPC

Frontend

- Javascript
- React JS
- Nuxt JS

Databases

- PostgreSQL
- SQLite
- Redis

Infrastructure

- Docker
- CI/CD
- Linux
- Git

System design concepts:

- Distributed Systems
- API Design
- Caching
- Background Processing

LANGUAGES

- English (B2)
- Russian (B2)
- Italian (A2)

EDUCATION

- MSc Artificial Intelligence for Science and Technology at University of Milan (2025-present)
- Bachelors: Karshi state technical university (2020-2024)
- Karshi Politechnic college (2017-2020)



WORK EXPERIENCE | STARTUPS

Software engineer, AI Tech - Tashkent

Sep 2024 - Feb 2026

- Developed social authentication system and contributed to landing page development and backlog management for [aisha.group](#) platform
- Integrated Speech-to-Text (STT) and Text-to-Speech (TTS) models into scalable APIs, enabling multi-model usage with usage-based billing (characters/minutes)
- Developed high-performance Speech-to-Text API using FastAPI and gRPC, achieving 1-hour audio diarization in ~10 seconds.
- Developed RAG-based chatbot backend integrations for [mkbank.uz](#) [agrobank.uz](#) , Murad Buildings assistant chatbots, enabling contextual QA and improved customer support.

Projects

- Computer Vision · Manufacturing Analytics
 - Developed a computer vision system for real-time product counting and manufacturing analytics [system24.app](#)
- AI Recruitment Assistant (Hackathon)
 - Built an AI hiring assistant for CV analysis and candidate ranking, achieving 2nd place among 11 teams in a university AI hackathon [azizbeck.uz/blog/hackathon2026](#)
- High-Performance Speech API
 - Built a FastAPI and gRPC-based (uzbek) speech processing service for low-latency inference workloads [space.aisha.group/tts](#)

Software Engineer, ATS-Dubai UAE (Remote)

June 2024 - July 2025

- Designed and maintained scalable multi-tenant Django backend services supporting e-commerce platforms, payment integrations and business operations across multiple regions: [ats-systems.net](#) | [amaar.uz](#) | [tashkentmarket.ae](#)

Relevant coursework (University of Milano, University of Pavia, University of Milano-Bicocca) joint degree

- Advanced AI and Deep Learning
- Advanced Data Management
- Computer Vision for Industry
- IOT 4.0 Systems

Startup [system24.app](#) | [smartzim.uz](#)

May 2023 - Present

- Designed and developed CRM platform serving serving 14+ businesses and supporting inventory and operational workflows for manufacturing and distribution companies, supporting inventory, finance and operational workflows