Ali Asghari

Senior Software Engineer with **6 years** of expertise in **Python**, **Django** and **FastAPI**, specializing in high-performance backend systems and AI-driven solutions. Proven success in **optimizing** large-scale applications **handling 3M+ daily** API requests and deploying **AI/ML-powered microservices**. Master's in Computer Science with a focus on Autonomous Systems and experience in **asynchronous programming**, **vector databases**, and **AI-driven search systems**. Strong advocate for **cross-functional collaboration** and delivering **scalable solutions** for **global teams**.

CONTACT DETAILS
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github.com/adamvizly
Tabriz, Iran (open to relocate)

EXPERIENCE

AI Software Engineer, G2Tech – Tabriz, IR (Nov 2024 – Present)
- Implemented **transformer-based** question generation model achieving **86% relevancy score**.
- Built real-time **Q&A system using RAG** handling **100+ student** queries daily.
- Created a **custom knowledge base** from video transcripts using **pgvector** and embedding models.
- Containerized microservices architecture ensuring **99% system availability**.

Senior Software Engineer, Nobitex – Remote (Apr 2021 – Aug 2023)
- Architected and maintained a financial reporting system processing **2,000+ monthly reports**.
- Designed and implemented RESTful APIs handling **3 million daily requests**.
- Developed **internal admin dashboard** increasing operational efficiency by 30%.
- Built **automated report storage** platform managing 90+ daily reports.
- Optimized system performance resulting in **20% productivity improvement**.

Software Engineer, Snappfood – Tehran, IR (Oct 2019 – Feb 2021)
- Developed a **high-performance delivery service**, supporting **3,000+ daily orders**.
- Implemented a **financial transaction system**, managing payments for **1,000 weekly users**.
- Created a **KPI monitoring system**, reducing operational inefficiencies by 40%.
- Designed an asynchronous **event-driven architecture** to improve real-time operations

Software Engineer Intern, Pezeshkekhoob – Tehran, IR (Jan 2019 – Sep 2019)
- Developed RESTful APIs handling **1.5 million monthly requests**.
- Built a **cost-effective monitoring system** reducing monthly expenses by 70%.
- Migrated PHP platform to Django, increasing **availability by 10%**.

EDUCATION

Tarbiat Modares University, MS in Computer Science (Sep 2020 – Sep 2022)
- Coursework: Pattern Recognition, Machine Learning, Computational Geometry, Large Datasets.

University of Tabriz, BS in Computer Science (Sep 2014 – Sep 2018)
- Coursework: Computer Architecture, Data Structure and Algorithms, Computational Theory.

TECHNICAL SKILLS
Programming Languages:
Python
Frameworks: Django, Django REST Framework, Flask, FastAPI, Celery
Databases: PostgreSQL, MySQL, MongoDB, Redis
DevOps & Monitoring: Docker, CI/CD, GitHub Actions, Prometheus/Grafana
AI & Machine Learning:
Transformer models, Retrieval-Augmented Generation (RAG)

LANGUAGES
English (Fluent)
Persian (Native)