Ali Asghari
Python Software Engineer

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Based in Iran | Open to relocation | Remote-friendly

Professional Summary

Senior Software Engineer with over **six years** of experience in designing, developing, and implementing scalable software solutions who is results-oriented and creative. Proven proficiency with **FastAPI**, **Django**, **Python**, and **AI/ML pipelines**, with an emphasis on **performance optimization** and the development of reliable, **high-availability** systems. enthusiastic about using cutting-edge technologies to solve challenging business issues, such as **vector databases**, **RAG**, and **LLMs**. Looking for a challenging position where I can mentor young developers and lead projects that have an impact.

Technical Skills

Programming Languages: Python, JavaScript, SQL
Frameworks & **Libraries**: Django, Django Rest Framework, FastAPI, Flask, Celery, React.js
Databases: PostgreSQL, Redis, ChromaDB, S3
Cloud & **DevOps**: Docker, Docker Swarm, RabbitMQ, Grafana, Prometheus, AWS (S3)
AI/ML: Transformers, RAG (Retrieval-Augmented Generation), Whisper, Ollama, Qwen, Gemini, Groq, GPT
Tools & **Methodologies**: Git, RESTful APIs, Agile, System Design, Unit Testing

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Work Experience

AI Software Engineer at G2Tech | 11/2024 - Present
- Developed a video question generation pipeline using **Whisper** and **multi-model LLMs**, storing Questions in **PostgreSQL** and voices on S3.
- Engineered a real-time, voice-enabled Q&A system with **RAG** and **ChromaDB**, providing instant access to lecture content.
- Implemented a **Django** application using **Qwen** models and ChromaDB, facilitating document-based conversations on user-uploaded files.
- Mentored peers on robust system design and software development principles.

Senior Software Engineer at Nobitex | 04/2021 - 08/2023
- Engineered a **Django** reporting system, **reducing** generation time by **66%** for over **2,000 monthly reports**.
- Developed high-throughput APIs with **FastAPI**, handling **3 million daily** requests, and created a Django **dashboard** for admins that handled data for **6 million+** users.
- Enhanced system responsiveness using Redis caching and PostgreSQL query optimization.

Software Engineer at Snappfood | 10/2019 - 02/2021
- Refactored the **order-matching** algorithm using the **Hungarian matching** with Python, achieving a **6x speed** increase for over **3,000 daily** orders.
- Constructed an autonomous financial system using **Celery** and **RabbitMQ**, efficiently managing payments for **1,000 weekly** bikers.
- Implemented a dynamic scaling solution with **Grafana**, **Prometheus**, and **Docker Swarm**, enabling robust **auto-scaling** of services.

Education

Tarbiat Modares University | Master of Science in Computer Science | Graduated: 2022