

Amir R. Aliakbari

Software Engineer

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ABOUT

Back-End & Infrastructure Engineer | System Design & Security Enthusiast 🤖

Specialized in Python (FastAPI, Django) with hands-on experience in Go, Node.js (NestJS) & Linux. I have a strong interest in high-performance, consistency-critical systems. While focused on server-side logic such as database design (SQL/NoSQL), deployment, observability & security, my strong front-end knowledge ensures a complete end-to-end understanding of software lifecycles. Committed to building secure, scalable and reliable real-world systems.

TOP & RELATED EXPERIENCES

Signal Group - Qom, Iran | AI Platform Engineer

May 2026 - PRESENT | Part-time

Built an AI-driven software development platform (business requirement clarification, task generation, planning, implementation & review workflows) using agent orchestration, integrating with company infra including logs, databases, Jira & code repos. Developed a Telegram assistant bot and designed, deployed the underlying infrastructure, server configuration, access controls & security measures from scratch.

Optimized Docker registry storage through image size reduction & automated cleanup policies.

Skills: Python, OpenClaw, Agent Orchestration, Docker, System Administration

Goftomeet.com - Qom, Iran | Founding Back-end & Infra Engineer

June 2026 - PRESENT | Contract

Built & maintained the backend and infra of a full-scale voice and video communication platform from the ground up, including AI agents integration in sessions, payment, OTP, containerized deployment, Nginx, VPS administration & scalable real-time services.

Skills: Python, FastAPI, Livekit, PostgreSQL, Redis, MinIO, Docker, DramatiQ, Nginx, Linux

Paknevis - Tehran, Iran (Remote) | Senior Back-end Developer

Jun 2025 - PRESENT | Contract

Focused on performance optimization, upgrade and feature improvement.

🏆 Improved processing engine performance, achieving 93% reduction in execution time for large inputs via stack upgrades, parallelism for CPU-bound parts (process pool & CoW), LRU cache for critical functions.

Architected the migration roadmap to Kubernetes.

TOP RELATED SKILLS

Python
FastAPI
Django + DRF & Ninja
Go
PostgreSQL
ELK (Elastic Stack)
Docker & CI/CD
Linux (LPIC 1, 2)
Software Architecture
Testing (PyTest)

TOP SIDE SKILLS

GraphQL
Node.js, TS & Express
NestJS
Vue & Nuxt
Blockchain

LANGUAGES

English (Professional)
Persian (Native)
Arabic - MSA (Intermediate)
Turkish (Limited)

Skills: Python, Django, DRF, PostgreSQL, Redis

CRCIS - Qom, Iran | *Back-end Engineer (ElasticSearch)*

Oct 2024 - PRESENT | Full-time

Designed, developed, optimized & maintained high-performance, multi-cluster Elasticsearch search solutions handling several terabytes of data for noormags.ir, noorlib.ir, qamus.inoor.ir &... Rebuilding some indexes from scratch, reducing storage usage and improving query performance.

🔗 Architected & Implemented an Observability & Logging infrastructure using the EFK stack, Data Streams & Kibana visualization, including a custom Python package for seamless project integration.

Designed & implemented ETL pipelines using Logstash to efficiently ingest and process large-scale datasets.

Architected an Event-Driven system utilizing Inbox/Outbox patterns to ensure idempotency and minimize data loss during synchronization (team work).

Participated in Domain-Driven Design (DDD) workshops and domain modeling sessions.

Skills: ElasticSearch, Kibana, LogStash, FluentD, RabbitMQ, Python, FastAPI, Flask, Docker, Gitlab CI

PROJECTS

FastIoC — *Python Package*

IoC/DI container for FastAPI with automatic type-based dependency injection. [Link](#)

Skills: Python, FastAPI, PyTest, Software Architecture, Documentation

Obsidian Dynamic RTL — *Obsidian Plugin*

A popular plugin with over 7,000 downloads that addressed right-to-left (RTL) language support in Obsidian, solving a key issue at the time of its release. [Link](#)

Skills: TypeScript, CSS, HTML