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Software Engineer

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ABOUT

Back-End Engineer with over 4 years of experience and a solid understanding of **systems** and **infrastructure**, with a strong interest in **consistency**-critical, high-**performance**, and **security**-sensitive systems. I hold an end-to-end view of software systems—from **bare metal** to the front end—backed by a deep curiosity for how things work **under the hood**. Driven by **continuous learning**, solving complex engineering problems, and evolving into a **Distributed Systems Architect**.

EXPERIENCES

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

Oct 2024 - PRESENT | Full-time

• Designed, developed and optimized **multi-cluster** Elasticsearch solutions handling **several terabytes** of data for high-traffic search platforms, improving query performance and reducing storage usage.

• 🏅 Architected and implemented an observability platform using **EFK** & **RabbitMQ**, Elastic Data Streams and **Kibana**, including a reusable **Python** integration package, enabling end-to-end data visibility & traceability across distributed systems.

• Built ETL pipelines with **Logstash** for large-scale (+100M Record) data ingestion and transformation.

• 🏅 Containerized 8 core services and streamlined **CI/CD** pipelines in collaboration with DevOps, accelerating releases for Staging and Production environments.

• Co-architected an **event-driven** synchronization system using **Inbox/Outbox** patterns to ensure **idempotency** and reliable data **consistency**.

Signal Group (Serita Dental Clinic) - Tehran & Qom, Iran | *Software Engineer (Back-end & AI Platform)*

May 2026 - PRESENT | Part-time

• Built an AI-driven software development platform using agent orchestration (OpenClaw), integrating Jira, code repositories, databases and internal infrastructure.

• Designed and deployed the platform infrastructure, **security and access controls**, including lightweight **FastAPI** services & interactive **Telegram** interfaces.

• Reduced Docker Registry (CI/CD) **storage consumption by 89%** through automated cleanup policies.

Paknevis - Tehran, Iran (Remote) | *Back-end Engineer*

Jul 2025 - Jun 2026 | Contract

🏅 Reduced processing time for **heavy inputs by 93%** through **parallel processing**, stack upgrades and **caching** optimizations. (Django)

SKILLS

Languages: Python, Go (Golang), JavaScript/TypeScript

Backend: FastAPI, PyTest Django (REST Framework / DRF), NestJS, Express.js, GraphQL

Databases: PostgreSQL, Elasticsearch (ELK), Redis

Message Brokers: Kafka, RabbitMQ, Redis (Pub/Sub)

DevOps & Infrastructure: Linux (LPIC-1, LPIC-2), Docker, CI/CD, Nginx, Gitlab

Agentic AI: LangChain, LangGraph, MCP, RAG, PydanticAI, CrewAI

Frontend: Vue.js, Nuxt, Tailwind, PrimeVue

Concepts: Monitoring & Observability (Grafana, Prometheus, ELK), Container Orchestration (Kubernetes), Microservices Clean Architecture, Event-Driven Architecture, Distributed Systems, Domain-Driven Design (DDD)

Domains: Blockchain, FinTech, Agentic AI Search & Information Retrieval

LANGUAGES

English (Professional)

Persian (Native)

Arabic - MSA (Reading)

Turkish (Limited)

Salehie School - Qazvin, Iran (Hybrid) | *Full-Stack Developer*

May 2022 - Jul 2024 | Freelance

Developed & supported a meal reservation system with online wallet top-up, reservation and cancellation features (with automatic refunds), and transaction tracking. Built an advanced admin dashboard for managing users, credits, meals, deadlines, and viewing comprehensive data tables. Link

PERSONAL/OPENSOURCE PROJECTS

FastIoC — *Python Package* 🏅

IoC/DI container for FastAPI with **automatic** type-based **dependency injection** & ultra-clean class-based controllers. Designed to eliminate repetitive boilerplate and simplify the architecture and maintenance of large-scale enterprise applications. Link

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

FREELANCE PROJECTS

Goftomeet.com | *Founding Back-end & Infrastructure Engineer*

• **Architected** and **built** the core **backend** for a video conferencing platform **from the ground up**, powering audio/video **streaming** (**LiveKit**), **recording**, and audio **transcription** using **FastAPI**, **PostgreSQL**, and **Redis**.

• Integrated diverse **AI agents** for intelligent meeting analysis and content processing, alongside **OTP** authentication, subscription **payments**, **MinIO** storage, and ARQ **background workers**.

• Managed containerized **infrastructure** and **deployments** using **Docker**, **Nginx**, and **Linux** environments

Image Generation Platform | Ankara, Türkiye

Built an image generation platform with template-based text and color customization, bulk upload, admin dashboard, authentication, asynchronous multi-process queue, and Docker deployment. **Stack:** Python, Flask (Quart), Vue