

Mehran Abbasi

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SUMMARY OF QUALIFICATIONS

- Full-stack and systems developer with a strong foundation in **Python, Django**; independently designed and shipped production-grade projects spanning desktop applications, microservices backends, and real-time platforms.
- Experienced in architecting microservices systems, building CI/CD pipelines with GitHub Actions, and delivering cross-platform software with real-world deployment pipelines.
- Proficient in **DRF, PostgreSQL, Docker**, and **Git**; over 5 years of hands-on experience in **Linux** environments; familiar with **FastAPI**, Design Patterns and clean code principles.
- Proven **interpersonal skills**, with the ability to work efficiently both as a team player and independently.

SKILLS

- **Languages:** Python, Go, JavaScript, TypeScript, SQL, Bash
- **Backend:** Django, Django REST Framework (DRF), FastAPI, JWT authentication, WebSockets, Microservices
- **Frontend:** React, Electron, Next.js, Tailwind CSS, Flowbite, Tkinter
- **Databases:** PostgreSQL, SQLite
- **Tools & Platforms:** Git, GitHub Actions, CI/CD, Docker, Docker Compose, Kubernetes, Linux, REST APIs, SMTP
- **Concepts:** OOP, Design Patterns, Clean Code, Functional Programming, AI/Game Algorithms (Minimax)
- **Other:** Erlang, Elixir (exposure during internship), Web Scraping, PyGame

WORK EXPERIENCE

WARPtore – Cloudflare WARP GUI Manager

- Built a cross-platform desktop application (macOS & Linux) for managing Cloudflare WARP with per-application split tunneling, using an Electron + React frontend, Go tunnel agent, and Python process monitor.
- Designed and maintained a full CI/CD pipeline with GitHub Actions; shipped v1.0.0 as a packaged release with automated build, test, and distribution workflows.
- Implemented Git-Flow branching strategy across the full release cycle; managed inter-process communication between frontend, Go agent, and Python monitor components.

Moodini – AI-Powered Music Recommendation Platform

- Architected a microservices platform (Django API Gateway, FastAPI mood/weather/recommendation/Spotify services) delivering personalized Spotify recommendations based on real-time weather and user mood via AI analysis.
- Built a Next.js + TypeScript frontend; containerized all services with Docker Compose; implemented Spotify OAuth, playlist creation, and user library integration via the Spotify Web API.
- Followed HackSoft Django Styleguide and domain-driven design principles; structured for Kubernetes deployment and Redis caching in future releases.

ZAP – High-Scale Social Network Backend

- Designed a production-grade Django microservices backend targeting 10M+ DAU, covering auth, feed ranking, media, social graph, moderation, notifications, and observability.
- Implemented full Kubernetes and CI/CD configurations; architected for horizontal scalability with PostgreSQL, Redis, and message queue-based service communication.

Orphe` – Real-Time Audio Synchronization Platform

- Built a real-time audio synchronization platform enabling multiple devices to play the same track in precise sync using WebSockets for sub-millisecond coordination of play, pause, seek, and position state.
- Implemented latency compensation and network timing logic to maintain accurate song positions across all connected clients; designed for web and mobile access.

Tech-Market – Django E-Commerce Store

- Developed a full-featured Django e-commerce platform covering product listings, cart management, order processing, and user authentication with JWT.
- Built REST APIs with Django REST Framework; implemented responsive frontend using Tailwind CSS and Flowbite; backed by PostgreSQL.

EDUCATION

Bachelor of Computer Science (Software Engineering)

Hamedan University of Technology

Sept 2018 – 2023

Military Service

Completed mandatory military service in full compliance with Iranian law.

Jun 2024 – Mar 2026

VOLUNTEER EXPERIENCE

Quera College - Backend development intern

A project-oriented course in backend development with django framework and DRF and APIs.
certificated with a perfect score.

May 2023 - Jul 2023

Hub (Hamrah Aval Beheshti)- Back-end development intern

An internship dedicated to exploring the Erlang language and Elixir framework, with a particular emphasis on
advancing knowledge in programming paradigms, namely Functional Programming, and cultivating expertise in the
principles of Clean Code.

Jun 2021 - Sep 2021