

Amirreza Ektesabi

Backend Engineer · Python & Django · Exploring Machine Learning

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Profile Summary

- Backend engineer with a Bachelor's degree in Computer Engineering and close to four years of experience building production systems with Python, Django, and PostgreSQL across two major platforms at System Group.
- Delivered real-time features with WebSockets and Django Channels, integrated AI agents into the development workflow, and used Elasticsearch and Kibana for production monitoring and troubleshooting.
- Built and shipped independent projects, including a real-time competitive coding platform (CODOO) and an educational resource archive with a companion Telegram bot (CSE Archive).
- *Currently exploring Machine Learning and AI-driven applications*, with prior teaching experience in programming fundamentals at Shiraz University.

Technical Skills

Backend: Python, Django, Django REST Framework, Django Channels, Celery, WebSocket

Databases & Infrastructure: PostgreSQL, Microsoft SQL Server, Elasticsearch, Kibana, IIS

Other: React, Next.js, Bootstrap, Tailwind CSS, python-telegram-bot

Platforms: Linux (Ubuntu), macOS, Windows

Education

B.Eng. Shiraz University, Computer Engineering 2019 – 2024

High School Diploma Sampad, Mathematics 2013 – 2019

Experience

Backend Engineer Mar 2026 – Aug 2026

System Group · Full-time · Remote

- Developed and maintained backend features for Afra, a management platform for charitable organizations, using Python, Django, Microsoft SQL Server, and Django Templates.
- Refactored legacy code to improve maintainability and integrated AI agents into the development workflow to accelerate feature delivery.
- Managed application deployment and server configuration via IIS.

Backend Engineer Oct 2022 – Mar 2026

System Group · Full-time · Remote

- Developed and maintained backend features for Farsan, an intelligent order management system, using Python, Django, PostgreSQL, and Celery.
- Implemented real-time functionality with WebSockets and improved application performance, efficiency, and maintainability.
- Used Elasticsearch and Kibana for application logging, monitoring, and troubleshooting; deployed via IIS.

Projects

CODOO

Real-time competitive coding duel platform with a live scoreboard

- Django + Django Channels backend with real-time WebSocket state and Celery-scheduled matches; React + Monaco Editor frontend.
- Submitted code runs in a sandboxed Judge0 execution engine.

github.com/amirreza-ektesabi/codoo

CSE Archive

Educational resource archive site with an admin panel and Telegram bot

- Built the site's backend in Python/Django and a Telegram bot (python-telegram-bot) for user-administrator communication.

github.com/CSE-Archive/archive-api · github.com/CSE-Archive/archive-telegram-bot

Teaching

Teaching Assistant — Fundamentals of Computer and Programming, Shiraz University Oct 2020 – Feb 2021

Languages

Persian: Native · **English:** Working proficiency, currently improving