

# ZAHRA DEHGHANI

## BACKEND SOFTWARE ENGINEER

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### SUMMARY

Passionate Backend Engineer with 3+ years of hands-on experience designing, building, and optimizing scalable Python backend systems, RESTful APIs, and high-performance PostgreSQL databases. Proven track record of delivering robust microservices, reducing latency/resource usage, and shipping production features in collaborative Agile environments.

### EXPERIENCE

<b>Software Engineer</b> <i>Holoo Software Company   Tehran</i>	Dec 2024 – Present
<ul style="list-style-type: none"><li>Automated legacy data pipelines with Dagster, cutting processing time by 60% and improving reliability.</li><li>Optimized core microservice performance, reducing CPU usage from 80% to 40%.</li><li>Wrote comprehensive integration tests for backend services, achieving 70% coverage.</li><li>Delivered 20+ user stories in cross-functional Agile squads, ensuring on-time feature releases.</li></ul>	<i>Full-time</i>
<b>Backend Developer</b> <i>Sokan Invest   Tehran</i>	Nov 2023 – Nov 2024
<ul style="list-style-type: none"><li>Designed and built high-performance RESTful APIs with FastAPI for real-time financial dashboards handling 1M+ data points.</li><li>Developed backtesting microservice (FastAPI + PostgreSQL/TimescaleDB) for trading-strategy validation.</li><li>Created automated cryptocurrency trading bot with PostgreSQL persistence.</li></ul>	<i>Full-time</i>
<b>Python Backend Developer</b> <i>Pomechain   Abu Dhabi</i>	Feb 2023 – Nov 2023
<ul style="list-style-type: none"><li>Designed and implemented Django-based ML recommender system, increasing user engagement by 40%.</li><li>Built scalable data-sanitization pipelines in Python, reducing preparation time by 63% with high accuracy.</li></ul>	<i>Full-time</i>
<b>Data Scientist</b> <i>Jarfa Co.   Tehran</i>	Mar 2022 – Dec 2022
<ul style="list-style-type: none"><li>Engineered feature pipelines and preprocessing services for 2M+ records using Python and PostgreSQL.</li><li>Improved ML model precision/recall by 25% through optimized data queries and feature engineering.</li></ul>	<i>Full-time</i>

### TECHNICAL SKILLS

**Languages:** Python, Go  
**Web Frameworks:** Django & Django REST Framework, FastAPI  
**Databases:** PostgreSQL, Redis, MySQL, MongoDB  
**Architecture:** Microservices, Event-Driven systems, Domain-Driven Design, RESTful API design  
**Message Queues:** Kafka, RabbitMQ  
**DevOps & Tools:** Docker, Git, GitLab/GitHub Actions CI/CD, Prometheus, Grafana, Sentry  
**Testing & Performance:** pytest, Locust, TestContainer, integration testing  
**Data Engineering:** PySpark, Dagster orchestration

### EDUCATION

<b>M.Sc. Software Engineering</b> <i>Iran University of Science and Technology</i>	2020 – 2023
	<i>Tehran, Iran</i>
<b>B.Sc. Statistics</b> <i>Alzahra University</i>	2014 – 2018
	<i>Tehran, Iran</i>