





ZAHRA DEGHANI

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

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

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