

Behzad Azadi

Software Engineer

Contact Information

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Professional Summary

- Results-driven Software Engineer with extensive experience in designing, developing, and implementing innovative software solutions. Proficient in modern technologies and software engineering methodologies, excelling in problem-solving and performance optimization. Strong collaboration skills enhance team productivity, ensuring high-quality deliverables. Passionate about staying updated with industry trends and continuously improving skills to contribute to impactful projects and drive technological advancements.

Work Experience

- **Ertebat Afarinan Bi Enteha**
 - Co-founder | CTO
 - Tehran, Iran | April 2022 – Present
 - Implemented CI/CD pipelines with Docker and GitLab-CI, cutting deployment time by 50% and minimizing errors by 15%. • Managed the team and monitored project execution and progress.
 - Provided guidance and support to team members to ensure project goals and deadlines were met.
- **Lavisan**
 - Senior Technical Expert
 - Tehran, Iran | September 2022 – November 2023

- Designed GIS applications to improve spatial data representation, enhancing decisionmaking efficiency by 30%.
 - Transformed server performance and reliability
 - Developed NLP algorithms for address parsing and integrate with elasticsearch and haystack for spell correction.
 - Spearheaded GIS web application development using GeoDjango and PostGIS, enhancing data analysis.
- **Iranian Technology Services**
 - Senior Technical Expert
 - Tehran, Iran | January 2023 – Present
 - Engineered enterprise web applications with Django and DRF, improving customer satisfaction by 25% and reducing page load times by 40%.
 - Directed the transition to a microservices architecture, scaling operations by 50% and reducing costs by 20%.
 - Crafted strategic technology roadmaps, aligning IT initiatives with business goals and accelerating project delivery by 30%.
- **codecrafters**
 - The founder of the website
 - Iran | June 2023
 - Managed the website development and support team.
 - Oversaw website content management.
 - Supervised study groups, monitoring learning and educational processes.
- **Freelancer**
 - Web Developer
 - Iran | March 2018 – November 2022
 - Optimized e-commerce search engines, achieving a 100% improvement in accuracy and speed, and increasing user retention by 20%.
 - Enhanced Python-based web services, reducing maintenance costs by 20% and boosting performance by 30%.

Technical Skills

- **Programming Languages:**
 - Python – SQL – JS - Bash Script -
- **Frameworks:**

- Django - DRF - FastAPI - **DevOps & CI/CD:**
- Docker - Kubernetes - Git - GitLab-CI - Ansible
- **Databases:**
- PostgreSQL - MongoDB - Redis - **Tools & Technologies:**
- Nginx - Elasticsearch - Haystack - uWSGI - Minio – Celery -
- Geographic Information System (GIS):**
- GeoDjango - PostGIS - GIS - OSM - **Operation System:**
- Linux (Advanced) - LPIC-1
- **Methodologies:**
- Agile - Scrum - SOA – Microservices - Domain-Driven Design (DDD) - **Testing:**
- Unit Testing - Integration Testing - Test-Driven Development (TDD)
- Behavior-Driven development (BDD)
- **Data Analysis & Visualization:**
- Grafana – Loki – Telegraf – InfluxDB - ELK Stack (Elasticsearch-Logstash-Kibana) - **AI:**
- ML - NLP - ANNs (beginner)

Projects

1. E-commerce Platform Optimization

- Led efforts to enhance search functionality, achieving a 40% increase in speed and accuracy with Elasticsearch and a 25% boost in sales conversion.

2. Microservice Architecture Implementation

- Guided the transition of legacy systems to microservices, reducing load times by 30% and operational costs by 15% using Docker.

3. GIS Web Application

- Designed a geographical banking panel to manage different bank branches.

4. NER Web Application

- Developed a web application to recognize Persian language address identities.

5. Spelling Correction System

- Implemented a spelling correction system for Persian addresses by combining a morphological layer algorithm with Elasticsearch and Django for the online web section

6. Startup

- Built an educational and learning startup web application.

7. Architecture Store

- Changed the logic to a CQRS pattern using Elasticsearch and Haystack, achieving a 100% increase in response speed, and implemented a fuzzy search approach.

8. Operational CRM

- Implementation of an operational CRM for receiving customer requests and establishing direct communication with the finance, sales, and technical departments on a microservices architecture

9. Cloud ERP

- Writing a cloud ERP for internal management of a poultry farm system to facilitate communication between the laboratory unit, workers, investors, and managers of the breeding cells.
- Writing a sample cloud ERP for managing a medical clinic and facilitating communication between managers, employees, and investors, with the ability to upload large files and store them in MinIO.

Education

- Diploma in Experimental Sciences

- Yazdanpanah High School - Sanandaj - Kurdistan - Iran

- Associate in IT

- University of Applied Science and Technology Art & Culture - Sanandaj - Kurdistan - Iran | 2016 – 2018

- Bachelor of Technology, Software Engineering

- Yazdanpanah University - Sanandaj - Kurdistan - Iran | 2018 – 2020

Languages

- **Persian:** Native
- **Kurdish:** Native
- **English:** proficient