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

- **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 (ElasticsearchLogstash-Kibana)

- **AI**:
  - ➢ ML - NLP - ANNs (beginner)

- **DevOps & CI/CD:**
  - ➢ Docker - Kubernetes - Git - GitLab-CI - Ansible

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