MOHSEN JAFARI

Bowling Green, Ohio   **[PortFolio Link]**

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Software Engineer, Software Developer, Full-Stack Developer

SKILLS

- *Programming:* .NET, **C#**, **Python**, **C++**, Java, ASP.NET, **Machine Learning**, MySQL, MongoDB, **SQL Server**, Node, React, Agile, Visualization, OMP, MPI, Cloud, Git, JavaScript, Web Application
- *Software:* **VMWare** ESXi, Windows Server, Linux, HPC

PROFESSIONAL EXPERIENCE

Paraillel   **May 2024 - Sep 2024**

Full-Stack Developer

- Developed RESTful APIs using Flask (Python) to support seamless interaction between the React front end and back end.
- Designed MySQL databases, provides data flow diagrams, wrote complex stored procedures for efficient data handling.
- Integrated AI-driven analytics for real-time insights, improving system scalability and performance.

Novin Hi-Tech Solutions   **Sep 2010 - Dec 2022**

Software Developer

- Gained extensive experience in developing and maintaining **banking** software, hardware, and network infrastructure.
- Developed over **10** programs for banking and industrial sectors using C#, Python, C++ and various database technologies.
- Created "**Preventive Maintenance**" and "**Discrepancy Finder**" software, significantly improving operational efficiency.
- Designed and implemented data visualizations for standard and big data sets, enhancing decision-making for management.
- Modernized and upgraded the websites of several projects, incorporating new technologies and revising data structures.
- Participated in projects utilizing regression models and **ML** techniques to predict and identify valuable customers and employees, based on features like sentiment analysis and performance indicators.
- Implemented virtualization, with **VMware**, achieving an **80%** reduction in expenses and a **33%** decrease in maintenance costs.
- Specialized in troubleshooting and resolving IT issues across **12** bank branches, ensuring rapid and effective solutions.

Khorasan Ashena Afzar   **Dec 2007 - Apr 2009**

Software Developer

- Contributed to designing and developing a cost-effective IVR-like project.
- Achieved a project cost of **$500**, significantly lower than the market price of **$6000**.
- Designed and developed a software providing an IDE for report design, utilizing company's data.
- Implemented the project using **OOP** principles and component-based design methodologies.
- The project had the capability to design and generate dynamic reports using **OOP** principles and component-based design.
- This project was notably **innovative** for its time, significantly reducing both time and costs associated with report creation by developers while **empowering users** with intuitive design capabilities.

Bowling Green State University, Bowling Green, OH   **Aug 2023 - April 2024**

Graduate Research Assistant

- Created a project aimed at classifying user reviews on Google Play using NLP techniques to extract features from reviews.
- Designed and developed a system written in Python, utilizing regression models to enhance Insurance Premium Prediction through the integration of clustering and interpretable machine learning models.

EDUCATION

Bowling Green State University, Bowling Green, OH	**MS, Computer Science**	**Jan 2023 - April 2024**
Ferdowsi University	**MS, Information Technology Management**	**Sep 2015 - Jul 2017**
Azad University	**BS, Software Engineering**	**Sep 1999 - Sep 2003**