

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
- **Hardware:** IT Hardware Support, HP & Intel Servers

PROFESSIONAL EXPERIENCE

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 visually appealing data visualizations for both standard and big data sets, enhancing decision-making for management.
- Applied **parallel programming** techniques to enhance computational speed and efficiency in key projects.
- Developed a multi-report application that consolidates reports from various databases and resources, providing total insights.
- 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 server virtualization, particularly with **VMware**, achieving an **80%** reduction in expenses and a **33%** decrease in maintenance costs compared to physical servers.
- 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 table-based reports.
- 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.
- Served as a Teaching Assistant for the computer science courses, including Python and C++.

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