

FAIZAN MEMON

memonfaizan024@hotmail.com | www.linkedin.com/in/faizan-m- |

+1(929)-328-7806 | Detroit Metro Michigan | H1B Work Visa

PROFESSIONAL EXPERIENCE

Full Stack Developer, Coding BootCamp – UCLA (University of California Los Angeles) Nov 2022 - April 2023

- Designed and developed scalable web applications using **HTML, CSS, and JavaScript** in the front-end
- Utilized DOM manipulation and jQuery to enhance user experience and dynamic web page behavior
- Consumed RESTful APIs, parsed JSON to extract meaningful data, and used AJAX to update data on a website. Worked with Node.js and wrote server code to serve static web pages
- Utilized MySQL database to store and manage large amounts of data and answered questions using Joins, Wheres, and Counts strategically
- Improved application performance by utilizing NoSQL databases such as MongoDB and by converting traditional applications into progressive web applications (PWAs)
- Created single-page applications with React and applied computer science concepts such as data structures and algorithms to JavaScript for better optimization
- Worked collaboratively with cross-functional teams to deliver high-quality software products within tight timelines of the release management
- Actively participated in code reviews, identifying areas of improvement, and ensured code quality and consistency with the best practices

Senior Software Engineer, Stellantis (Fiat Chrysler Automobiles US LLC)

July 2022 – Present

Auburn Hills, Michigan, USA

- Led the Automated Driving Assistance Software Systems Development and Integration Verification Team in verifying SAE Level 2 and 3 automated driving features, including AUTOSAR integration, operating system, and ECU-specific software development, ADAS SW integration, SoC and diagnostic signal interface verification, and SAC integration to be used in CI/CD environment
- Hands-on developed and implemented OOP programming language-based test frameworks (**C#, Python, Embedded C, C++, and HTML**), automated testing frameworks, test scripts, and test bench setups to ensure software quality, compliance, and performance
- Created modern safety-critical electronic control units embedded software test methodologies and documented software verification processes, test plans, and test results to ensure adherence to industry standards and regulations
- Collaborated with cross-functional teams to identify and solve complex software development and resolve integration issues, ensuring timely delivery of high-quality software solutions with improved performance and efficiency
- Conducted code reviews and provided technical guidance to junior team members to promote best practices and ensure high-quality code delivery

Software Engineer, Altron Automation Group Inc, Hudsonville, Michigan, USA October 2020 – May 2022

- Designed and Implemented software and hardware framework solutions and support equipment installation, including developing and programming, debugging, and troubleshooting custom-manufactured automated machinery equipment
- Developed and debugged **object-oriented programming (OOPs)** software test solutions and unit tests in **.NET Visual Basic, C#, SQL, Python, Java, JavaScript, CSS, MySQL, HTML, XML, and CAN** necessary to the cloud remote interfaces
- Designed, built, and executed seat function test equipment and test benches in the automotive manufacturing industry for OEMs like Ford, GM, Fiat Chrysler Automobiles, Volkswagen Group

HIGHER EDUCATION

Master of Science: ELECTRICAL ENGINEERING (Embedded Firmware Systems)

May 2020

The University of Texas, Arlington, TX USA

PROFICIENT TECHNICAL SKILLS

Keywords: C#, VB.NET, OOP, CSS, CSS3, HTML5, Java, JavaScript, MySQL, Python, Microsoft .NET, AUTOSAR, Automotive, Debug tools, GIT, Agile, Cloud infrastructure, Azure, AWS, Scrum, Platform, Framework, Unit Testing, DevOps, Backend, Frontend

Programming Languages: JavaScript, CSS3, HTML5, VB.NET, C#, SQL, Java, Python, Embedded C, C++, API, **Other Scripting Languages** (Shell, Perl, Bash, Vim, TCL)

Front-end Frameworks: React, Angular, Vue.js, Bootstrap, jQuery, KnockoutJS

Back-end Frameworks: Node.js, Express.js, Flask, Django, .NET MVC, .NET Core, .NET Framework 5.0, ASP.NET, OpenAPI, REST APIs

Databases: MongoDB, MySQL, NoSQL, PostgreSQL, SQLite, PHP, Oracle DB, SQL Server

Software Tools: Microsoft Visual Studio Professional, Git Version Control system, Xamarin, Docker, AWS, Heroku, Code Composer Studio, Wireshark, Microsoft Office (Excel, PowerPoint, Word)

Network Protocols: UART, SPI, I2C, TCP/IP, CAN