

Mary Musallam

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SUMMARY

Detail-oriented Full Stack Engineer with expertise in Vue.js, React, JavaScript, Python, and SQL. Proven track record of delivering user-friendly interfaces, optimizing system performance, and collaborating with cross-functional teams to meet client requirements. Passionate about writing scalable, maintainable code to enhance user experiences and achieve business goals.

EXPERIENCE

Software Development Engineer

Maxar Technologies

April 2023 - July 2024, Ypsilanti, MI

- Fixed over 20 critical bugs, improving codebase stability and reducing the number of reported issues.
- Developed user-friendly GUIs for complex software applications using Vue.js, HTML, and CSS, improving task efficiency for end-users by 15%.
- Delivered software solutions on tight deadlines, meeting the critical needs of government clients.
- Collaborated with algorithm engineers to develop advanced signal processing solutions for Synthetic Aperture Radar (SAR) systems, contributing to improved data processing accuracy.

Software Developer Intern

U.S. Bank

June 2022 - August 2022, Remote, MI

- Developed internal tracking applications using Power Apps and JavaScript, improving efficiency by 30%.
- Built and implemented an email rules system in Power Apps, automating workflows and reducing manual processing time by 20%.
- Deployed and managed applications using Microsoft Azure, enhancing reliability and scalability.
- Provided regular updates during team standup meetings, ensuring timely project delivery.

PROJECTS

Volunteer Software Developer

Tech 4 Social Good

February 2022 - April 2022

- Built an online learning platform for Detroit Community Technology, contributing to the expansion of access to wireless networking curricula for over 500 anticipated users in Detroit communities.
- Developed platform features using Vue.js, HTML, and CSS, ensuring alignment with design specifications provided by the nonprofit.
- Integrated a REST API to import and update course data, preparing the platform for real-time accuracy and current information upon launch.

EDUCATION

Bachelor of Science in Engineering in Computer Science

University of Michigan • Ann Arbor, MI • April 2023

- Course Highlights: Algorithms and Data Structure, User Interface Development, Programming and Introductory Data Structures, Elementary Programming Concepts

Associates in Science & Engineering

Schoolcraft College • Livonia, MI • June 2018

SKILLS

Programming Languages: C, C++, Python, JavaScript

Web Development: HTML5, CSS3, JSON, RESTful APIs

Database Management: Database Design, SQL Query Writing, Data Modeling

Version Control: Git, GitHub

Frameworks & Libraries: React, Vue.js, Node.js, Flask, Bootstrap, Electron

Tools & Platforms: Microsoft Azure, Microsoft Power App

Development Practices: Agile Methodologies, Responsive Design, API Integration, User-Centered Design