

Jay Mason

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EDUCATION

Arizona State University	2025
<i>Bachelor of Science in Engineering Management</i>	
Oakland Community College	2019
<i>Associate in Software Engineering Web Development Certificate</i>	

SKILLS

Programming Languages & Frameworks C#, .NET, Java, Kotlin, C++, Lua
Web & Front-End Development HTML/CSS, TypeScript, React, PHP, Bootstrap
Database & Tools MySQL, MSSQL, Git, Azure, Entity Framework

PROFESSIONAL EXPERIENCE

Willis Towers Watson (WTW), Remote	June 2022 - Current
<i>Senior Associate</i> Sept. 2023 – Current	
<i>Lead Associate</i> June 2022 – Sept. 2023	
<ul style="list-style-type: none">• Spearheaded the rollout of GitHub Copilot across the organization, providing training and support.• Transformed Figma UX mock-ups into data-driven React components.• Doubled sprint velocity, boosting team efficiency, and becoming a leading voice to guide features.• Optimized development environments, leading to thousands in monthly savings by refining app service plans and deployment strategies.• Integrated third-party services APIs, expanding the application functionality.• Mentored/Onboarded junior developers, guiding best practices and knowledge sharing.• Reduced application downtime by integrating slot deployment into Azure web applications.	
General Inspection LLC, Davisburg, MI	Nov. 2018 – June 2022
<i>Software Manager</i> Feb. 2021–June 2022	
<i>Software Engineer</i> Nov. 2018 - Feb. 2021	
<ul style="list-style-type: none">• Standardized version control practices by implementing Git and establishing code review requirements, enhancing code quality and product stability.• Led project and timeline management, ensuring on-time delivery of complex software solutions by optimizing resource allocation and prioritization.• Designed, developed, and maintained advanced communication modules (EtherCAT, Ethernet, Modbus, RS232), ensuring seamless and reliable data exchange between systems.• Upgraded data storage infrastructure by migrating from XML files to relational databases (MySQL with Entity Framework), resulting in faster data retrieval and improved scalability.• Developed intricate machine logic in C++ to control FESTO-integrated motor controllers, optimizing machine performance and reliability.• Created and optimized algorithms for processing sensor data.	

PROJECTS & EXTRACURRICULAR

Oakland HOPE – Nonprofit Portal	2019 - Current
Designed and developed two comprehensive web applications to enhance organizational efficiency:	
<ul style="list-style-type: none">• Volunteer Portal: Created a customized system for managing volunteer contact information and tracking volunteer hours. This centralized hub streamlined volunteer management processes.• Food Pantry Portal: Developed a dynamic application to optimize food pantry operations, including client information collection, visit record creation, and food distribution tracking.	
Tech Stack: PHP, C#, HTML5/CSS3, Bootstrap, jQuery, TypeScript, React	