# OMAR ZERBA

SOFTWARE ENGINEER

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🏠 Reno, NV, USA

## PROFESSIONAL OVERVIEW

Full Stack Software Engineer (Level 2) with experience in building software for laboratory liquid handling robots and customer-facing web development tools. Strong in C#, JavaScript, and Angular framework with a focus on reliable systems, clean architecture, and shipping features.

## WORK EXPERIENCE

### Hamilton Company – Reno, NV

Software Engineer Level 2 (Full stack)                                          2023 - Present

- Primary developer for software features enabling precise laboratory robotic motion and automated liquid handling workflows.
- Designed and built the customer-facing API documentation portal (developer.hamiltoncompany.com) enabling developers to integrate and control their robots remotely.
- Mentored junior engineers and contributed to code reviews, helping enforce coding standards and maintainability in a mission-critical, regulated environment.
- Improved system reliability by debugging complex issues and refining object-oriented architecture across core modules.
- Integrated automated testing into the CI/CD pipeline, reducing regressions and increasing deployment confidence.

Software Engineer in Testing                                                       2022 - 2023

- Built API and UI automation (Cypress, Selenium) and partnered with developers to catch defects earlier in the development lifecycle.

### Gaming Laboratories International – Las Vegas, NV

Test Engineer Level 2                                                               2021 - 2022

- Automated validation for software and hardware systems used in regulated environments.
- Trained new hires and improved team test processes and documentation.

## SKILLS

- Languages: C#, JavaScript, Python, SQL, C++
- Frontend: Angular, HTML, CSS, React
- Backend: .NET, REST APIs, ASP.NET
- Tools: Git, Azure DevOps, Jira, Cypress, Selenium
- Practices: Object-Oriented Programming, Agile/Scrum, code review, CI/CD

## EDUCATION

- B.S. in Computer Science and Engineering from the University of Nevada, Reno (UNR) | GPA: 3.67