

JONATHAN OLSEN

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[LinkedIn](#) | [Portfolio](#) | [GitHub](#) | [YouTube](#)

SUMMARY

Full Stack Web Developer with a unique employment background in advanced manufacturing and Information Technology, bringing valuable insights to development projects and workplace dynamics. Proficient in a broad range of web development technologies and experienced with AI tools, I am well-positioned to contribute energetically to your team.

TECHNICAL SKILLS

JavaScript ES6+, CSS3, HTML5, React.js, Openpyxl, Git, Six Sigma, Node.js, MySQL, NoSQL, Python3, VBA, MongoDB, Backend development, REST APIs, Express.js, GraphQL, TypeScript, Tailwind CSS, Redux, Next.js, Figma, Adobe Suite, Microsoft office

PROJECTS

Crusaders | [Github Repository](#) | [Deployed Site](#)

- Summary: A social media site for sharing videos and pictures, add friends and explore what Crusaders has to offer
- Role: Backend developer, Graph QL and React expert
- Tools: Graph QL, Mongoose, React, Next.js, TypeScript, Tailwind
- Achievements: Won best UI, best backend, and best overall

Memory Map | [Github Repository](#) | [Deployed Site](#)

- Summary: A location-based social media platform that enables users to post and share their memorable experiences based on geographic locations
- Role: Sole Full Stack Developer
- Tools: MongoDB, React, Express.js, Mapbox, Node.js, bootstrap

Tyr's Vault | [Github Repository](#) | [Deployed Site](#)

- Summary: A niche social media platform designed for gaming enthusiasts, allowing users to catalog their favorite games and connect with friends
- Role: Backend developer
- Tools: Sequelize, SQL, Handlebars, Rawg API, Node.js, Express.js
- Achievements: Won best UI, best backend, and best overall

EXPERIENCE

Information Technology Specialist | 2022-Present | Stadler Rail | Salt Lake City, UT

Spearheaded automation initiatives, managed SQL operations, and developed bespoke JavaScript tools at a leading train manufacturer.

Key Accomplishments:

- Leveraged Python and VBA to automate Excel workflows and system processes, achieving a 50% reduction in manual interventions.
- Managed SQL databases, safeguarding data integrity and enhancing data retrieval efficiency.
- Developed and sustained 3 JavaScript-based tools specifically tailored for label printing in the manufacturing process.
- Resolved helpdesk tickets, ensuring timely and effective support.

Electrical Panel Quality Control | 2019-2023 | Stadler Rail | Salt Lake City, UT

Built, tested, and inspected electrical panels for a international manufacturer of high speed commuter trains

Key Accomplishments:

- Learned and used custom firmware that took JavaScript input
- Mastered the processes required for building 15+ different electrical panels from scratch
- Learned the 3 key steps in panel assembly (mechanical assembly, electrical wiring, and electrical / mechanical testing)
- Trained 6 new hires from zero knowledge to competent panel assemblers
- Gave speeches and presented at local high schools to promote the TRAC apprenticeship program

EDUCATION

Certificate, Full Stack Web Development: University of Utah – August 2023

-4.0 GPA

Associate of Applied Science , Advanced Manufacturing Degree: Salt Lake Community College -July 2022

-3.4 GPA

Completed Three Year Apprenticeship, Electrical Assembly and Quality Control: Stadler Rail – July 2022

*Will provide references upon request