

JONATHAN OLSEN

Phone: (801)-205-8468 | Email: joncolsen3@gmail.com | Salt Lake City, UT, 84102
[LinkedIn](#) | [Portfolio](#) | [GitHub](#)

SUMMARY

20-year-old Full Stack Web Developer with a unique employment background in advanced manufacturing, 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, Bootstrap, Git, Six Sigma, Node.js, MySQL, NoSQL, MERN Stack, MongoDB, Backend development, REST APIs, Express.js, GraphQL, TypeScript, Tailwind CSS, Redux, Next.js, AI tools, Adobe Creative 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, GraphQL and React expert
- Tools: GraphQL, 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

BotSend.io | [Business Model](#) | [Advertisement](#)

- Summary: An innovative marketing platform for NFTs, conceived and developed as a grant submission for the University of Utah. BotSend was a finalist
- Role: Founder and Project Manager
- Technology: Automation, Web-3 development, NFTs, Web-Scraping

EXPERIENCE

Electrical Panel Quality Control | 2019-Present | 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

Electrical Engineer Apprentice | 2021-2021 | Stadler Rail | Salt Lake City, UT

Followed E3 electrical design software, found and fixed electrical errors

Key Accomplishments:

- Replaced 19 faulty DC/DC converters necessary for train function
- Created 500+ miles of train track data in excel, that is used for testing
- Carefully worked with live electricity up to 96 volts, following all safety procedures
- Created excel sheets crucial in helping upper management understand where electrical errors were

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