JARED NIELSON

FRONTEND SOFTWARE ENGINEER

PROFILE

Frontend Software Engineer with eight years of professional experience building web applications, working with APIs, testing, and establishing system improvements. Enthusiastic about implementing new solutions and working with others to make great ideas become a reality. Passionate about learning and understanding different technologies and continually furthering education.

CONTACT

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EDUCATION

Brigham Young University - Idaho
Bachelors in Computer Information Technology | Dec 2016

SKILLS

- React
- HTML
- Typescript
- Next.JS
- Angular
- Agile
- Positive Attitude
- Adaptability
- Javascript
- CSS
- Tailwind
- Vue.js
- Git
- Problem-solving
- Collaboration
- Critical-thinking

WORK EXPERIENCE

Software Analyst / Integration Engineer
Idaho National Laboratory | Jul 2023 - Present

- Transformed EMRALD, an open-source risk assessment app, with a comprehensive UI overhaul. Migrated from Angular.js to React, introducing a modern aesthetic. This transformation amplified dynamic PRA research capabilities, ensuring a seamlessly efficient and responsive interface for enhanced risk assessment effectiveness.
- Revitalized a Nuclear Industry Inspection Port application by seamlessly integrating Preact components into a Flask and jQuery codebase. Users now access detailed facility info, experiencing improved performance and enriched reporting through a contemporary development approach.

Frontend React Developer
Bellum - Bowlero Corp | Mar 2022 - Apr 2023

- Optimized Bowlero's Quality Management System (QMS) used by 300+ centers nationwide by leading the development of several features in React. These improvements to the QMS system positively impacted the overall productivity of the organization, resulting in higher revenue and reduced operational costs.
- Enhanced the efficiency of center managers nationwide by overhauling a peer comparison tool. Implementing new metrics and analysis methods enabled managers to contrast their centers' performance against industry benchmarks, resulting in increased productivity, cost savings, and better decision-making.
- Improved managers' productivity by overhauling the task creation system with a focus on communication, progress tracking, and center performance visualization. This provided managers with greater visibility into operations and enabled them to make data-driven decisions that optimize efficiency.

Full-Stack Engineer
Kyani | Mar 2019 - Mar 2022

- Implemented a third-party payment gateway to support multiple payment methods, including credit card and alternative payment options, using Vue.js, PHP, Laravel, and Golang technologies. This improved the company's online payment process and provided a more secure payment environment.
- Developed an enrollment user interface using Vue.js, improving the onboarding process for new users. The interface was designed to be intuitive and user-friendly, resulting in increased overall user satisfaction with the onboarding process.

Junior Frontend Developer
General Motors | Jan 2017 - Mar 2019

- Promoted consistent design and accessibility standards across multiple manufacturing applications by developing reusable Angular components for GM's design library. This initiative resulted in a reduction in development time for new applications and significantly improved the user experience.
- Spearheaded an upgrade to a legacy label design application used by multiple GM plants, from Angular.js to Angular, while simultaneously enhancing the application's design for improved user efficiency. This streamlined workflow and optimized the interface.