Alexander Richards
Senior Software Engineer

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Tech-savvy and analytical professional with hands-on expertise in crafting compelling, user-centric products and continuously refining codebases. Skilled in designing, developing, and optimizing user-centric web applications, as well as architecting solutions to promote cleaner, thoroughly tested, and maintainable code. Instrumental in steering seamless transitions to modern technologies and providing strategic guidance on front-end technology selection. Expert in nurturing collaborative work environments and mentoring junior team members to foster growth and development. Passionate about staying abreast of emerging technologies and industry trends to drive continuous improvement and innovation. Technically proficient in React, Typescript, NextJS, Node.js, React Native, GraphQL HTML, and CSS.

Areas of Expertise

● Front-End Development	● Performance Optimization	● Team Collaboration & Leadership
● Component-Based Design	● Testing & Debugging	● Complex Problem Solving
● Responsive Web Development	● React Development	● UI/UX Design Principles

Professional Experience

Senior Developer, Northwoods Consulting Partners, Columbus, OH   **2023 – Present**

Implemented Dark Mode feature in mobile application using new styling library, ensuring seamless integration and consistent color themes throughout interface. Utilize Styled Components library to enforce uniform styling and facilitate color theming across application codebase.

- Enhanced team productivity by 30% through optimizing individual contributions and streamlining work cycles for improved efficiency.
- Revamped app's navigation structure, significantly reducing screen loading time from 20 seconds to less than 1 second, enhancing user experience and overall performance.

Senior Software Engineer, eFuse, Columbus, OH   **2022 – 2023**

Implemented Codegen to automatically generate Types, ensuring type safety from front-end to backend systems, fortifying application's integrity. Spearheaded standardization of unit testing methodologies and mentored junior engineers' ineffective unit testing practices, fostering a culture of quality assurance and continuous improvement within the team.

- Achieved 86% reduction in page load times by implementing industry-leading GraphQL best practices.
- Rectified 1000+ Typescript errors, enabling activation of Strict Mode to uphold code stability and bolster maintainability across codebase.
- Optimized data fetching methods, resulting in substantial decrease in page load time from 6 seconds to under 1 second, enhancing overall application responsiveness.

Software Engineer, Accenture, Columbus, OH   **2019 – 2022**

Developed purchasing flow for United Airlines' onboard WiFi using React, enhancing user experience and facilitating seamless transactions. Led planning and execution of Angular green field project, establishing web portal for Ford Motor Company's employees to access their machine learning toolbox, streamlining internal processes and empowering users.

- Spearheaded front-end development of purchasing flow for United Airlines' onboard WiFi, ensuring intuitive design and functionality to meet needs of travelers.
- Designed user-friendly interface for Ford's Sales team to access machine learning learning tools, enabling efficient data-driven decision-making and enhancing productivity within organization.

Additional Experience

Freelance Consultant, Dwell Community Church, Columbus, OH | 2019 – 2023

- *Created proof of concept for transitioning from existing PHP front end to single-page application using React, showcasing potential benefits and feasibility of proposed technology shift.*

Associate ServiceNow Developer, NetJets, Columbus, OH | 2018

- *Scoped and executed various ServiceNow projects tailored to meet specific needs of internal business users, enhancing operational efficiency and workflow management within the organization.*

Education

Bachelor of Arts in Philosophy, The Ohio State University, Columbus, OH