James Zechman

Plano, TX

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Summary

With 6+ years of expertise, I build intuitive, high-performance user experiences using JavaScript, React, and modern frontend frameworks. My focus on architecture, design systems, and UX principles delivers engaging and effective digital solutions.

Education

Maryville University of St. Louis

Interactive Design • Chesterfield, Missouri   05/2020

- Graduated summa cum laude—3.7+ GPA
- Made Deans List - 2018, 2019 & 2020
- Prominent coursework: Interactive Applications 415, UI / UX Design 450, Web Design 2 410
- Served as Class Assistant for Maryville Seminar

Experience

Simpson Strong-Tie

UX Engineer • Pleasanton, CA   02/2023 - Present

- Architected enterprise-wide design system migration from Legacy React Components to Web Components, React 19, and Blazor conducting performance research that revealed 500ms improvements and guided company-wide technology adoption
- Rapidly mastered multiple technologies including Lit.js and .NET Blazor within 2 months each, becoming lead technical architect for cross-platform component libraries
- Delivered 70+ production components across React, Blazor, and Web Component libraries, serving 40+ applications and establishing deployment infrastructure for NPM/NuGet distribution
- Facilitated stakeholder adoption by creating comprehensive documentation and POCs for 9 development teams, resulting in streamlined component integration with minimal sprint disruption
- Led strongtie.com technical migration from external vendors to internal team, upgrading Next.js framework, implementing SSR for SEO optimization, and enhancing CMS integration
- Established development standards including Semantic Versioning guidelines, component documentation templates, and deployment processes that improved team efficiency and developer experience
- Conducted UX research and feasibility analysis for component development decisions, creating data-driven recommendations that influenced strategic technology choices across the organization

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Lead Front End Developer • Maryland Heights, Missouri   04/2020 - 02/2023

- Collaborated cross-functionally with marketing and project management to develop innovative ideas, initiatives, products, and services, leveraging expertise in JavaScript and front-end frameworks.
- Enhanced and maintained the organization's JavaScript and PHP applications.
- Developed front-end applications and user interfaces using React, HTML5, CSS, JavaScript, Next.js, and Gatsby, while integrating with various back-end CMS platforms including Dato, Contentful, WordPress, and .NET.
- Applied working knowledge of REST API development with Express.js, Next.js, and Laravel, and effectively utilized REST APIs and GraphQL APIs within front-end frameworks.

- Managed code repositories using Git in Github and Gitlab environments

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Interactive Designer Intern • Maryland Heights, Missouri   09/2019 - 04/2020

- Learned & developed new Wordpress based websites using HTML, Javascript, CSS and PHP
- Assist in the UI / UX design process using Adobe XD, Figma, and Framer
- Assisted in the development & design of Branding pages for clients
- Hired from Internship

Skills

Fast Learner, Documentation review, Object Oriented Languages, Project Management, User Interface Design, Frontend Development, React, Javascript, PHP, Next.js, REST, GraphQL, CSS, HTML5, Node.js, Webpack, Express.js, SQL, jQuery, SASS, Jira, Confluence, Blazor, C#, .NET, Lit.js, Zsh

Awards

Eagle Scout, Deans List

Relevant Links

https://jameszechman.link