

Frederick Smeltzer

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Summary Statement

Passionate Front-End Developer with over 6 years of experience crafting responsive and accessible user interfaces using React, TypeScript, and JavaScript. Adept at translating design concepts into functional code and optimizing performance through effective design patterns. Committed to leveraging emerging technologies to deliver exceptional user experiences that drive business success

Work Experience

Senior Consultant, Front-end | SharePoint Admin Adjunct

Daugherty Business Solutions - Corporate, Remote
January 2024–Present

- Enhanced SharePoint intranet organization, significantly reducing information retrieval time and boosting productivity for over **1,000** employees.
- Led the initiative to consolidate AI information into an accessible site for all employees, promoting awareness and understanding of important AI concepts and related initiatives.
- Developed Python automation scripts that reduced manual task time by **78%**, increasing team productivity.
- Created chatbots using Copilot Studio to facilitate better access to information within SharePoint, resulting in a decrease in support queries.

Senior Consultant, Front-end

Daugherty Business Solutions - Best Buy, Remote
January 2022–January 2024

- Spearheaded the migration of call center employees to a unified Twilio-based multi-channel platform, streamlining processes and reducing operational costs.
- Participated in daily scrum activities to manage the team's progress on issues and better align with business expectations and objectives.
- Refactored Tailwind CSS components to enhance reusability and meet tight project deadlines.
- Developed reusable and accessible components using React and TypeScript, enhancing accessibility and user experience.
- Handled release management in Jenkins and GitHub Actions.
- Mentored **2** junior developers, leading to a noticeable improvement in code quality and team productivity.

Software Development Team Lead, Front-end

Paycom, OKC, OK
April 2021–January 2022

- Maintained a library of over **300** React components through rigorous code reviews, linting, and strategic release management, resulting in faster development times and improved code consistency.
- Collaborated with the UX team to deliver actionable designs to developers, ensuring company-wide implementation.
- Developed Higher-Order Components (HOCs) and custom hooks to improve code reuse and application performance.
- Provided technical leadership to **5–8** team members using the Situational Leadership Model (SLII), fostering a collaborative and efficient work environment.

Software Developer, Front-end

Paycom, OKC, OK
May 2018–April 2021

- Refactored error-prone legacy components to modern JavaScript ES6, improving code maintainability and reducing bugs.
- Enhanced components and PHP pages to comply with WCAG 2.1 standards, significantly improving accessibility for users with assistive technologies like JAWS, VoiceOver, and TalkBack.
- Leveraged jQuery to handle client-side events and DOM manipulation in PHP applications, reducing server load and enhancing application performance.
- Developed over **20** responsive React components using CSS, SCSS, and semantic HTML, enhancing user experience across multiple devices.
- Converted **10+** class-based components to functional components, utilizing hooks for better state management and performance optimization.

Education

Master of Science (M.S.) in Computer Science

University of Oklahoma, Norman, OK

August 2017–May 2018

Bachelor of Science (B.S.) in Computer Science

University of Oklahoma, Norman, OK

August 2013–August 2017

Skills

Languages: JavaScript (ES6+), HTML5, CSS3, TypeScript

Frameworks/Libraries: React, Redux, Next.js, Node.js, jQuery

Styling: SASS/SCSS, Styled Components, Emotion, Tailwind CSS

Tools: Webpack, Babel, Git, npm, Yarn, ESLint, Prettier, GitHub Actions, SharePoint Online, GitHub Studio

Testing: Jest

Other: Agile/Scrum, Responsive Design, Accessibility (WCAG), Prompt Engineering

Projects

Personal Portfolio Website – fpsmeltzer.me

- **Description:** Developed a personal portfolio website using Next.js to showcase my professional experience, projects, and technical skills to prospective employers.
- **Technologies Used:** Next.js, React, TypeScript, Styled Components, Node.js, SEO optimization techniques.
- **Responsibilities:**
 - **Designed and Developed** the website using Next.js and React, implementing static site generation for page development
 - **Implemented Responsive Design** to ensure optimal viewing across desktops, tablets, and mobile devices.
 - **Created Custom Components** with TypeScript to build a modular and maintainable codebase.
 - **Styled** the application using Emotion Styled Components for dynamic and reusable styling solutions.
 - **Optimized for SEO**, utilizing meta tags and sitemap generation to improve search engine rankings.
 - **Deployed** the application on GitHub with GitHub Actions for continuous integration and delivery pipelines.
- **Achievements:**
 - **Skill Advancement:** Deepened expertise in Next.js and modern front-end development practices, applying this knowledge in professional projects.

Interactive Text-Based Adventure Game (In Development)

- **Description:** Developing an immersive text-based adventure game using React to create dynamic storytelling experiences. The project demonstrates complex state management and user interaction within a single-page application.
- **Technologies Used:** React, TypeScript, Context API, HTML5, CSS3, IndexedDB, Jest.
- **Responsibilities:**
 - **Architected** the game application using React and TypeScript, ensuring scalable and maintainable code.
 - **Developed** custom hooks to manage shared logic and enhance code reusability.
 - **Managed State** effectively using Context API alongside IndexedDB to handle game state and user progress.
 - **Ensured Code Quality** by writing unit tests with Jest and React Testing Library.
 - **Designed UI/UX** focusing on accessibility and responsiveness, providing a seamless experience across devices.
- **Achievements:**
 - **Enhanced React Expertise:** Gained deep understanding of advanced React concepts, including state management, hooks, and performance optimization.
 - **Problem-Solving Skills:** Overcame complex challenges in game logic implementation and state persistence.
 - **Prepared for Monetization:** Structured the project with scalability in mind to support future features and potential monetization strategies.