Daniel Holmes

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PROFILE

Experienced Front End Engineer specializing in React with a proven track record of building scalable, accessible, and high-performance applications. With expertise in modern JavaScript frameworks, TypeScript, and state management, I excel at creating reusable component libraries and implementing best practices for UI development. Skilled in collaborating across design, product, and engineering teams to deliver seamless, pixel-perfect interfaces that meet the highest standards of accessibility (WCAG 2.2).

EXPERIENCE

Sainsburys   Hybrid – London, UK
Software Engineer - React   *June 2024 – Present*

- Led the development of the design system and component library, building reusable, accessible, multi-brand UI components in React and TypeScript. This initiative streamlined application development across the organization, significantly reducing the cost and effort of creating and maintaining applications.
- Developed and released a new component library that replaced two legacy systems from merging companies, utilizing theming and design tokens to enable multiple brands to share the same components while preserving their unique brand identities.
- Collaborated with design and product teams to implement pixel-perfect, responsive user interfaces, ensuring all components and patterns adhered to WCAG 2.2 guidelines. Achieved AAA accessibility standards across 90% of the component library.
- Developed and released a new 'AddToTrolley' experience for Argos, projected to drive an estimated £5 million in additional sales revenue.
- Led the migration of development documentation from Docusaurus to Storybook, improving accessibility, increasing adoption, and enhancing the overall developer experience.
- Developed and released an installation tracking script that integrated with New Relic to capture and report which teams were using the design system and in which projects, providing valuable insights for usage analysis and optimization.
- Developed and released a flexible Carousel component with content-aware scrolling, significantly enhancing both accessibility and overall user experience.
- Mentored associate engineers by providing guidance on best practices, code reviews, and knowledge sharing, fostering their growth and contributing to team development.

Associate Software Engineer   *September 2021 – June 2024*

- Migrated legacy codebases from JavaScript and JSX to TypeScript and TSX, leveraging type safety to enhance code maintainability, readability, and long-term scalability.
- Completed graduate program with three 6-month rotations across different teams and disciplines, gaining hands-on experience with a variety of technologies, including .NET and React, while developing a broad understanding of software development practices.
- Enhanced the user experience by implementing advanced state management solutions with React Reducer and Redux, improving application performance and simplifying data flow.
- Utilized CI/CD pipelines with Jenkins and GitHub Actions for streamlined deployments, incorporating unit, integration, and visual regression testing using Jest, React Testing Library, Cypress, and Chromatic to ensure code quality and stability.
- Contributed to agile sprint planning and conducted thorough code reviews, ensuring efficient workflows and maintaining high code quality.

EDUCATION

Aberystwyth University   Aberystwyth, UK
Advanced Computer Science MSc – Merit (2:1)   *2020 – 2021*
Computer Science BSc   *2016 – 2020*

PROJECTS

Random Number Guessing Game | *NextJS, React, Typescript, Tailwind*   2024

Technical Skills

Languages: HTML, CSS, JavaScript, Typescript
Technologies: React, Next.js, Tailwind CSS, Jest, Storybook, Cypress, Yarn, PNPM, Webpack, Rollup