

James L. Harrison

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PROFESSIONAL SUMMARY

Senior User Interface Developer with over 8 years of experience building scalable web applications using React and TypeScript. Proven track record of improving user retention by 25% through intuitive UI refactors and optimising frontend performance by 40%. Expert in building accessible design systems that streamline development workflows across cross functional teams.

WORK EXPERIENCE

Lead User Interface Developer | SkyWave Technologies | London, UK

May 2020 - Present

- Spearheaded the development of a flagship SaaS dashboard using React and GraphQL, resulting in a 35% increase in active user engagement.
- Developed and maintained an internal UI kit with 50+ reusable components, cutting down project takeoff time by 4 weeks for new features.
- Optimised application bundle size by 45% through aggressive code splitting and tree shaking strategies.
- Collaborated closely with UX designers to implement a full site accessibility audit, resolving over 200 high priority WCAG violations.
- Mentored a team of 6 junior and mid level developers through weekly code reviews and technical workshops.

Senior UI Engineer | MetricData Systems | Manchester, UK

Aug 2017 - Apr 2020

- Re-engineered the core data visualisation engine using D3.js, improving rendering performance for large datasets by 60%.
- Integrated Redux for state management across a complex multi page application, reducing state related bugs by 40%.
- Managed the transition from CSS modules to Tailwind CSS, improving design consistency and developer velocity by 20%.
- Established an automated testing suite using Jest and React Testing Library, achieving 85% code coverage across critical paths.
- Worked directly with product owners to define technical feasibility for high stakes features under tight deadlines.

User Interface Developer | DigitalCraft Agency | Bristol, UK

Jun 2014 - Jul 2017

- Delivered 15+ high fidelity responsive websites for blue-chip clients using HTML5, CSS3, and JavaScript.
- Improved lighthouse SEO and performance scores from 70 to 95+ for major e-commerce client homepages.
- Implemented complex CSS animations and transitions that boosted user interaction metrics by 15%.
- Handled cross browser compatibility issues across legacy browsers while maintaining modern feature support.
- Conducted regular performance tuning for mobile interfaces, ensuring smooth 60fps scrolling and interactions.

EDUCATION

University of Bristol | Master of Science | Computer Science

Aug 2012 - May 2014

Loughborough University | Bachelor of Science | Computer Science and Mathematics

Aug 2008 - May 2012

SKILLS

React.js, TypeScript, Next.js, HTML5/CSS3, SASS/SCSS, Tailwind CSS, Git / Interaction Control, Webpack / Vite, Unit Testing (Jest, Vitest), E2E Testing (Cypress, Playwright), REST & GraphQL Integration, CI/CD Pipelines, Figma, Design Systems, Web Accessibility (WCAG), Responsive Design, User Research Synthesis, UI Prototyping

CERTIFICATIONS

AWS Certified Developer – Associate | Amazon Web Services (Mar 2021)
Meta Front-End Developer Professional Certificate | Coursera / Meta (Nov 2018)

LANGUAGES

English (Native)
French (Professional Working Proficiency)

ACTIVITIES

Open Source Contributor

Regular contributor to the Material UI library and various open source React hooks.

Tech Speaker

Presented 'Scaling Component Libraries' at the 2022 Silicon Milkroundabout technology fair.