SHWETA SHARMA

Senior Frontend Engineer (React)

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PROFESSIONAL SUMMARY

Senior Frontend Engineer with 4.8 years of experience building scalable, performance-optimized web applications in React.js and Next.js. Strong in TypeScript, reusable component libraries, state management, RESTful API integration, and web performance (Core Web Vitals, code-splitting, lazy loading). Committed to accessibility (WCAG) and cross-browser compatibility. Experienced in collaborating cross-functionally in Agile teams. Currently expanding into AI-integration engineering (LLM APIs, RAG, embeddings).

TECHNICAL SKILLS

Core Frontend	React.js, Next.js, JavaScript (ES6+), TypeScript, React Server Components / App Router
Styling & UI	Tailwind CSS, CSS3 (Flexbox, Grid, Animations), Bootstrap, Material UI, Responsive Design, Cross-browser Compatibility
State Management	Redux (Thunk, Saga), Context API, Zustand, TanStack Query
Backend & APIs	Node.js, Express.js, REST, GraphQL, MongoDB, Mongoose ODM, MySQL
Testing	Jest, React Testing Library, Cypress, Playwright
Performance	Core Web Vitals, Code-splitting, Lazy Loading, Lighthouse, Performance Optimization
Build & DevOps	Webpack, Vite, Docker (Basic), CI/CD Pipelines (Basic), Postman
AI Integration	OpenAI / Anthropic APIs, RAG, Embeddings, Prompt Engineering *(in progress)*
Accessibility	WCAG Standards
Monitoring	Datadog, Dynatrace, Kibana, Quantum Metric, Fiddler
Version Control	Git, GitHub, Bitbucket
Methodology	Agile (Scrum), Code Reviews, Micro-Frontend Architecture

WORK EXPERIENCE

Infosys Limited

Sep 2024 – Present

Associate Consultant – Senior React Developer

Project: United Airlines – Micro-Frontend Web Platform

- Developed and maintained frontend modules for the flagship United Airlines web application — a large-scale micro-frontend architecture serving millions of users globally.
- Built and optimized React.js components with Hooks and functional patterns, ensuring performance, accessibility (WCAG), and cross-browser compatibility across the platform.
- Improved page performance through code-splitting, lazy loading, and Core Web Vitals optimization, reducing load times and improving Lighthouse scores.
- Resolved production bugs across frontend (React) and backend (.NET) layers; conducted root-cause analysis and applied timely fixes, reducing incident recurrence.

- Conducted code reviews and collaborated with distributed engineering teams to enforce frontend best practices and maintain code quality across modules.
- Operated rotational alert monitoring using Datadog, Dynatrace, Kibana, Quantum Metric, and Fiddler — tracing issues to specific microservice endpoints and coordinating swift resolution.
- Performed ticket analysis by tracing logs and metrics to quantify user impact, improving incident response time and reducing MTTR (Mean Time to Resolution).

The Higher Pitch

May 2021 – Sep 2024

Software Engineer (React Developer)

Project: Employee Engagement Platform

- Engineered and maintained multiple high-traffic web applications using React.js, Redux, and Next.js, delivering responsive and performant user experiences.
- Built a comprehensive Employee Engagement Platform comprising four modules — Employee Social, Career Platform, HR Admin, and Account Management — improving employee experience across the organization.
- Created reusable UI component libraries to improve development speed and ensure design consistency, serving as the foundation for cross-project frontend development.
- Applied advanced CSS3 techniques including Flexbox, Grid, animations, and responsive layouts using Bootstrap and Material UI — ensuring pixel-perfect rendering across devices and browsers.
- Integrated RESTful APIs to streamline data flow between frontend and backend, improving application performance and data consistency.
- Built a Music Artists Platform — a dual-module application with polished UI using React.js, including an admin panel for managing artist profiles and settings.
- Mentored junior developers on React best practices, component architecture, and code quality standards.
- Managed version control using Git/GitHub and tracked project tasks via Redmine, following Agile/Scrum practices.

EDUCATION

Master of Computer Applications (MCA)

Aug 2019 – May 2021

Kamla Nehru Institute of Technology, Sultanpur (AKTU)

Bachelor of Computer Applications (BCA)

Aug 2015 – Jun 2018

Jhunjhunwala P.G. College, Ayodhya (Dr. Rammanohar Lohia Avadh University)