Sushant Kamble

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I am a Frontend / User Experience Engineer with 4 years of experience in building cloud-native web platforms. With a Master's degree in Human-Computer Interaction from UT Austin, I excel in bridging the gap between design, and development teams by crafting robust design systems, reusable web components, and coded interactive prototypes.

PROFESSIONAL EXPERIENCE

Scalex Cloud, Pune, India   Jul. 2018 - Jul. 2022
Software Engineer - II

- Led the frontend development of a React JS and Redux-based business intelligence and data visualization tool, aimed at empowering users to analyze, visualize, and distribute data insights effectively.
- Streamlined the development process by providing developers with well-defined design systems, reusable components, and coded prototypes, leading to improved collaboration, smoother handoffs, and reduced inter-team misunderstandings.
- Collaborated with UX designers to help visualize product ideas by evaluating npm packages, proposing implementation methods, and crafting prototypes, streamlining timelines, and aligning design decisions with data and user insights.
- Provided technical support in usability studies, contributing to brainstorming sessions for technically viable solutions, resulting in a 20% increase in System Usability Score (SUS).
- Worked closely with backend engineers to design APIs, define schemas, and optimize screen loading times, resulting in detailed API payload documentation and seamless frontend-backend integration.
- Collaborated closely with QA to identify prototype edge cases and kick-start automated UI test writing in early development, promoting the adoption of test-driven development practices.
- Performed thorough code reviews, maintained the codebase, and mentored a team of 4 frontend engineers.

Software Engineer - I

- Led the front-end development of a multi-tenant social media platform utilizing React.js and deployed it on AWS. The platform aimed to improve user's mental well-being and foster a positive workspace environment.
- Utilized Bootstrap to build 20+ responsive web dashboards, Implemented state management solutions using Redux, optimizing application performance and improving code maintainability.
- Took the initiative to design and develop a gamified experience utilizing a leaderboard, virtual currency, badges, and rank system resulting in a 30% increase in user engagement.
- Collaborated closely with backend engineers to seamlessly integrate frontend components with RESTful APIs. Designed payload schema and implemented pagination, ensuring smooth data flow.
- Implemented Role-Based Access Control (RBAC) to enable user management and secure APIs.

University of Texas at Austin   Jan. 2023 - Present
Graduate Research Assistant

- Created an AI-enabled web scraper using Selenium and node.js for text extraction from Wikipedia and IMDb. Configured LLama-2 for text analysis, achieving 30% faster dataset curation and analytics.
- Coded a survey using Qualtrics' JavaScript APIs enabling run-time branching and validation. This enabled dynamic question generation based on embedded JSON and disqualified participants based on answers, empowering researchers to efficiently distribute and manage surveys for a cohort of 10,000 participants.

SKILLS

Frontend Development: React.js, Next.js, React Native, HTML, CSS, Javascript, Typescript, Selenium, git, redux, react hooks, Selenium, Jest, CI/CD, Bootstrap, Tailwind CSS, Material UI, web components, Stencil
Backend Development: MongoDB, MySQL, Node.js, Express.js, Restful APIs, Next.js, Firebase, Postman
User Interface Design: Figma, Adobe XD, Token Studio Plugin, Design Systems, Interaction Design, Web Accessibility

EDUCATION

University of Texas at Austin - M.S., Information Studies (Human Computer Interaction)   Aug. 2022 - May. 2024
Maharashtra Institute of Technology, Pune, India - B.E., Information Technology   July. 2015 - June. 2018