Sushant Kamble

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EDUCATION

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

WORK EXPERIENCE

University of Texas at Austin   Jan. 2023 - Present
Graduate Research Assistant
- Created a CLI-driven AI-powered web scraping tool for researchers, facilitating text extraction from sources like Wikipedia, IMDb, and the Global Database of Events, Language, and Tone (GDELT). This tool enables batch scheduling, JSON data extraction from extensive text, and filtering out irrelevant values. As a result, it boosted dataset generation speed by 30% and substantially minimizing manual data filtering.
- 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.

Scalex Cloud, Pune, India   Jul. 2018 - Jul. 2022
Software Engineer - II
- Led the frontend development of a data transformation platform based on AWS Glue, designed frontend architecture, built prototypes, implemented design system, crafted technical documentation, and provided mentorship, resulting in a 45% improvement in UI consistency and increased development efficiency.
- Deployed a multi-tenancy admin portal using AWS CloudFormation, streamlining client onboarding, optimizing resource allocation, and enhancing cost management. This led to automated provisioning, minimized learning curves, and ensured consistent infrastructure for easier maintenance and deployment of updates.
- Collaborated closely with stakeholders and designers to bring their concepts to life through technical assessments and the creation of rapid prototypes for over four SaaS applications. Empowered developers with proof-of-concept implementations, curated a library of reusable React components, and produced detailed technical documentation, leading to a substantial increase in cross-functional team collaboration.

Software Engineer - I
- Developed a social media platform using React Native and AWS Amplify, orchestrated batch processing of posts with AWS SQS, and managed real-time and scheduled push notifications using AWS SNS, leading to a 25% surge in application traffic.
- Enhanced the security of a wealth management platform by deploying Role-Based Access Control (RBAC) and user management through AWS IAM, minimizing the potential for unauthorized access and facilitating streamlined auditing processes.

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, WebXR, Three.js
Backend Development: MongoDB, MySQL, Node.js, Express.js, Restful APIs, Next.js, Firebase, Postman
User Interface Design: Figma, Adobe XD, Framer, Zeplin, Proto.io, Webflow, Design Systems, W3C Web Accessibility

PROJECTS

Cozy-craft │ Three.js, WebXR
- Elevated the furniture shopping experience by developing an Augmented Reality (AR) viewport into an e-commerce web portal. This AR application enables users to visualize furniture in their living area before purchasing, fostering greater confidence and satisfaction in their buying decisions.

Pawfinder │ Next.js, Mongodb
- Significantly decreased page load times by utilizing server-side rendering in Paw Finder, a pet adoption portal. The core aim of Paw Finder is to foster connections between local shelters and potential adopters, enabling shelters to showcase pet listings and providing adopters with location-based recommendations.