Sidhartha Reddy Gundarapu

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Summary

Results-driven Fullstack Software Engineer with experience in Software Development, React.js, UI/UX design, and agile development. Passionate about creating scalable, intuitive, and high-performance web applications. Experienced in test-driven development, project management, and troubleshooting to ensure high-quality and maintainable code. Committed to accessibility (ADA), responsive design, and modern web technologies to build innovative and efficient digital solutions.

Skills

- *Programming Languages: JavaScript, TypeScript, Python, Java, SQL, HTML, CSS*
- *Frontend Frameworks: React.js, Bootstrap, Tailwind CSS*
- *Backend Frameworks: Spring Boot, Express.js, Node.js*
- *UI/UX and Component Development: React component libraries, responsive web design, accessibility (ADA)*
- *Testing and DevOps: Unit testing (Jest, React Testing Library), CI/CD (Jenkins, Azure Pipelines), Git/GitHub*
- *API Design and Integration: RESTful APIs, GraphQL, state management (Redux, Context API)*
- *Data Visualization: D3.js, Chart.js*
- *Cloud and Deployment: AWS (EC2, S3), Terraform*
- *Web Application Development: Expertise in designing and building scalable and efficient web applications*

Education

Arizona State University ***August 2023 – May 2025***
Masters of Science in Computer Science

Gokaraju Rangaraju Institute of Engineering and Technology ***August 2018 – May 2022***
Bachelor of Technology in Computer Science and Engineering

Experience

PricewaterhouseCoopers Service Delivery Center, *Associate Engineer* ***March 2022 – June 2023***

- *Developed and optimized React.js single-page applications (SPA), improving UI performance and user experience.*
- *Created reusable React components and managed state using Redux to enhance application scalability.*
- *Integrated RESTful APIs to fetch and display dynamic data, ensuring seamless client-server communication.*
- *Collaborated in agile project management sprints, including daily standups, backlog grooming, sprint planning, and retrospectives.*
- *Designed and implemented unit tests for front-end components using Jest and React Testing Library.*
- *Investigated and resolved production defects, improving application reliability and performance.*
- *Built and deployed applications using Jenkins, Terraform, and AWS Cloud, ensuring seamless CI/CD integration.*
- *Enhanced team efficiency by analyzing workflows and building robust solutions for dynamic application needs.*
- *Applied troubleshooting techniques to quickly diagnose and resolve critical production issues.*

Projects

CrickViz: IPL Player Performance Visualization Tool ***October 2024 – December 2024***

- *Developed IPL player analytics dashboard, visualizing performance trends through interactive D3.js visualizations.*
- *Developed a dynamic bubble chart with hover effects and tooltips, enhancing data interaction.*
- *Integrated histograms and donut charts for comparative player insights.*
- *Implemented state management using Redux to optimize performance across multiple components.*
- *Utilized GraphQL to streamline data fetching and reduce over-fetching, improving API efficiency.*

Bus ticket booking application ***April 2022 – May 2022***

- *Developed a full-stack web application using React.js (frontend) and Spring Boot (backend).*
- *Implemented React component-based architecture for a modular and maintainable codebase.*
- *Built RESTful APIs for handling user authentication, bookings, and transactions.*
- *Integrated secure authentication with Okta SignIn, ensuring user data protection.*
- *Deployed on AWS, using Jenkins for CI/CD, enabling continuous integration.*
- *Designed an intuitive user interface to enhance usability and customer experience.*

360° Virtual Tour of College Campus ***September 2021 – May 2022***

- *Developed a 360° virtual campus tour using AR/VR technologies, allowing users to explore the campus remotely.*
- *Utilized the UNITY game engine to build immersive virtual scenes and implement interactivity between various locations.*
- *Designed a static user interface using HTML/CSS, providing a seamless bridge between the virtual environment and the user experience.*
- *Deployed the virtual tour on the college website, optimizing it for multiple target platforms (web, mobile)*
- *Focused on cross-platform compatibility and ensured smooth transitions and interactions within the virtual environment.*