Rishi Prabhat Narayana Sannala

Software Engineer

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Summary: Software Engineer with 3+ years of experience in developing public-facing cloud applications, specializing in React, JavaScript, and AWS. Proven expertise in creating scalable web applications, mentoring teams, and optimizing web performance. Skilled in implementing WCAG 2.2 AA standards for accessible digital experiences. Proficient in modern web frameworks, cloud infrastructure, and agile methodologies.

SKILLS

Languages: TypeScript/JavaScript, Java, PHP, Kotlin, Python, HTML, CSS

Frameworks: Vue.JS, React, Redux, React Native, Angular, .NET Framework, Spring Boot, Spring, Flask, Tailwind CSS

Databases: MySQL, PostgreSQL, MongoDB, DynamoDB, SQL Server

Cloud/DevOps: MS Azure, AWS (S3, EC2, Beanstalk, Lambda), GCP, Docker, Kubernetes, Jenkins, Octopus.

Tools: Android Studio, Jira, Gerrit, Artifactory, Figma, WAVE, WAI-ARIA.

Methodologies: Agile, Scrum, SAFe (Scaled Agile Framework)

EDUCATION

San Jose State University, *Masters in Computer Science*   Aug 2022 – May 2024 | San Jose, US
Relevant Coursework: Cloud Computing, Machine Learning, NoSQL, Database Management, Distributed Computing.

GITAM University, *Bachelor of Technology, Computer Science Engineering*   Apr 2015 – Apr 2019 | Hyderabad, India
Relevant Coursework: Operating Systems, Data Structures, Object Oriented Programming, Android Apps Development, Design and Analysis of Algorithms.

PROFESSIONAL EXPERIENCE

Software Engineer, *TA Digital Inc.*   Mar 2019 – Jul 2022 | Hyderabad, India

- Developed and maintained a robust web application on AWS infrastructure leveraging Java Spring Boot, Docker, AWS Elastic Beanstalk, and RDS for PostgreSQL; achieved 99.99% availability and handled 15,000+ concurrent users seamlessly.
- Spearheaded the design and implementation of a React and Tailwind CSS based drag-and-drop platform for single-page applications, reducing development time by 30% and earning the 'Most Innovative Project' award.
- Led a team of 5 in developing Vue.JS and Java based time tracking and expense management applications, enhancing operational efficiency by 45% and minimizing payroll delays by 25%.
- Executed comprehensive API development and testing using Postman, ensuring seamless integration with AWS services, and improving system interoperability.
- Designed and implemented an interactive React-based map tool for an online realtor platform, integrating advanced search and navigation features to improve user experience.
- Collaborated on the development of an accessible e-commerce platform for a car retailer using React and Java, adhering to WCAG 2.2 AA standards and integrating assistive technologies, boosting user engagement by 20%.
- Built strong internal and external relationships essential for delivering high-quality software solutions.

PROJECTS

Driver Distraction Analysis Using Eye Tracking in a Simulated Environment   Jan 2024 – May 2024

- Engineered a driving simulator using Carla and Python, with Logitech G29 integration for immersive driving.
- Utilized an eye tracker and MATLAB for analyzing pupil dilation, combining simulator and eye tracking data to assess the impact of distractions on driver focus.

Smart Home Dashboard   Feb 2024 – Mar 2024

- Developed a smart home dashboard, a Vue.JS and Tailwind CSS web application focused on centralized smart home control, highlighting responsive design and real-time monitoring, ensuring sleek user interface and cross-browser compatibility.