# SAI SREENIVAS REDDY KARRA

saisreenivas.karra@gmail.com • +1 (314) 906-0750 • Irvine, United States

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## FULL STACK DEVELOPER

- AWS Certified Cloud Developer with a Master's degree in Computer Science and a strong passion for continuous learning.
- Dynamic Full-Stack Developer with 4+ years of experience in large-scale Agile software implementations.
- Designed and implemented full-stack solutions with Java, Spring Boot, React/Redux, Vue.js, and Node.js to create scalable and responsive web applications.
- Designed and managed databases for integrity and scalability using SQL, DB2, DynamoDB, PostgreSQL, and MongoDB.
- Created scalable RESTful APIs for smooth front-end and back-end integration, handling high traffic and boosting performance.
- Created Jenkins CI/CD pipelines to automate testing, deployment, enhancing build consistency and speed up release cycles
- Automated testing processes using tools like Selenium, improving test coverage and reducing manual testing time
- Skilled in using Git for version control, managing code repositories, and implementing branching strategies and code review to ensure high-quality code and team collaboration.
- Proven leader and team player with strong communication, problem-solving, and analytical skills, committed to delivering effective solutions and continuous learning.

## SKILLS AND TECHNOLOGIES

**Programming Languages:** Java, Python, SQL/ PL SQL, JavaScript/Typescript, PHP, XML, JSON, HTML5/CSS3
**Libraries/Frameworks:** J2EE, Spring, Hibernate, Servlets, JSP, React, Redux, Vue.js, node.js, Express.js, Next.js
**Services:** Microservices, Rest APIs, Web Services, SOAP
**Databases:** Oracle, SQL, DB2, DynamoDB, PostgreSQL, MongoDB
**Cloud Services :** AWS - EC2, lambda, API Gateway, SNS, SQS, S3, RDS, Elastic Search, Cloud Watch, Event bridge, EFS, EBS, EKS, ECS
**Unit Testing** : Selenium, Junit, Jest, Cypress
**Other Tools:** Eclipse, VS Code, NetBeans, Maven, Webpack, CI/CD tools - Jenkins, Figma, Git, Jira

## EDUCATION AND CERTIFICATIONS

- **AWS Certified Cloud Developer Associate**, Issued on: 06/26/2024
- **Master's Degree: Computer Science**, Saint Louis University, Jan 2022 - Dec 2023
- **Bachelor's Degree: Computer Science and Engineering**, KITS Warangal, India, Aug 2016 - Sept 2020

## PROFESSIONAL EXPERIENCE

**Full-Stack Developer | IMetaVerse Inc | Irvine, CA**                                    01/2023 – Current
- Developed and deployed a microservices-based web application using Java, Spring Boot, and React JS, resulting in a 40% improvement in system scalability and a 30% reduction in page load times.
- Efficiently created and tested RESTful APIs using Postman, ensuring accurate data transmission between client and server, and validating response integrity.
- Utilized object-oriented programming principles to design and implement data structures and algorithms for optimizing database operations in SQL/PL SQL, resulting in a 20% increase in query performance.
- Ensured smooth integration between frontend and backend components to provide a cohesive user experience.
- Collaborated with cross-functional teams using Agile development strategies and Jira for project management.

**Software Developer | Wipro | India**                                              11/2020 – 12/2021
- Assisted in developing Java-based applications, contributing to a 15% increase in feature deployment efficiency by writing and optimizing code for backend functionalities.
- Implemented user interfaces using React JS, enhancing the usability and visual appeal of internal tools, which led to a 20% improvement in user satisfaction.
- Participated in debugging and troubleshooting application issues, utilizing tools like Eclipse and Git, which reduced bug resolution time by 30% and improved overall application stability.
- Contributed to database management tasks, including writing and optimizing SQL queries, resulting in a 10% improvement in data retrieval performance and supporting efficient data handling.
- Utilized Postman to debug and troubleshoot API issues, resolving bugs efficiently and improving the overall stability of the application.

**Software Engineering Intern | Vaagdevi Group of Institutions| India**                  04/2020-10/2020
- Assumed design, development and deployment of java based applications from concept to release, reducing the development time by 25%.
- Refined existing code and executed automated testing routines to improve scalability and performance by 50%.
- Investigated and identified key issues with existing applications leading to 50% increase in system's ability.