SAI KUMAR KANKATALA

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EDUCATION

University of Missouri, Columbia, MO   **July 2024**
Master of Science in Computer Science,
Relevant Coursework: Data Structures and Algorithms, Web Development, Information System, Machine Learning

Gayatri Vidya Parishad College of Engineering, Visakhapatnam   **May 2019**
Bachelor of Technology in Mechanical Engineering
Relevant Coursework: Object Oriented Programming through Java, Problem solving through programming in C.

WORK EXPERIENCE

University of Missouri   **Columbia, United States**
Developer   *Sept 2022 - present*

- Leading the development of a user-friendly website to improve watershed management and aid decision-making in agriculture
- Utilized Python for dynamic data visualization, generating interactive representations of weather metrics like temperature etc
- Integrated React.js with Python Flask using RESTful APIs to create a seamless user experience for accessing and analyzing data
- Implemented parsing of GeoJSON files, seamlessly integrating them with React components to dynamically generate detailed watershed bodies, enabling intuitive and visually representation of geographical data.
- AWS services including S3 buckets and EC2 instances have been used for efficient deployment of the website.

KNACK SYSTEMS PVT LTD   **Hyderabad, India**
Software Developer   *Jan 2022- July 2022*

- Upgraded client website to modern tech stack using Java, achieving 50% performance boost with SAP Commerce Cloud backend and Spartacus Angular frontend
- Involved in all phases of SDLC including Analysis, Design, Modelling, and Development and Testing of the system.
- Developed RESTful API web services using Java, Spring Boot, and Spring MVC architecture, microservices, integrating with third-party systems including DAM, SAP ERP, and CRM, resulting in a 30% efficient response time
- Employed database optimization techniques, leveraging SQL and database management tools, to achieve a 20% reduction in manual client intervention during the update process.
- Engaged in Scrum and refinement calls, employing Agile methodologies to foster collaboration with cross-functional teams and ensure seamless integration with external systems.
- Used Atlassian products like Jira, Bitbucket and Confluence for issue tracking, release management and code review and technical Documentation, resulting in a 20% increase in team productivity

INFOSYS   **Hyderabad, India**
Software Engineer   *Dec 2019- Jan2022*

- Developed comprehensive B2B2C E-commerce platform for European Agricultural Machinery and Manufacturing company, contributing to $1 million revenue post-launch
- As a full-stack Java developer, I built a banking application using Java, Spring Boot, Angular, and SOAP for seamless communication between the backend and external services/systems.
- RESTful XML web service have been used to manage AJAX requests and utilized Java Messaging artifacts with JMS (MQ Series) for automated notification emails to application users, improving user engagement by 30%.
- Conducted thorough JUnit testing using Maven, Mockito and performed code reviews to maintain code quality above 90%.
- Managed daily deployments with Jenkins and SonarQube, maintaining code quality above 80% through CI/CD pipelines
- Implemented authorization for RESTful APIs by incorporating access token authentication mechanism

ACADEMIC PROJECTS

QKart Application (React.js, React Routing, REST APIs, Responsive Design, NodeJS)

- Developed QKart e-commerce app with MongoDB NoSQL database, implemented authentication, shopping cart, and checkout logic. Enhanced UI with responsive design for cross-device consistency. Utilized REST APIs for dynamic data rendering.

TECHNICAL SKILLS

Languages	: C, Java, JavaScript, Python, Groovy, SQL, HTML, CSS, XML, C#.NET
Frameworks	: Express, Node.js, React, Spring, Spring boot
Databases	: MySQL, MongoDB, PostgreSQL
E-commerce	: SAP Commerce Cloud, Spartacus Angular
Cloud Services	: AWS Lambda, EC2, AWS S3, GCP
Other Tools	: Github, JIRA, Virtual Box, Postman, Apache Solr, Tomcat, Jenkins, Eclipse, IntelliJ, Microsoft Office