Sai Teja Nadakuditi

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WORK EXPERIENCE

Colorado Community College System   **Aurora, CO**
Sr Full Stack Developer   July 2023 – Present

- Designed and coded application components in an Agile environment utilizing TDD approach and pair programming.
- Built user-friendly web applications using React, focusing on component-based design and efficient state management.
- Leveraged ES6 features and React design patterns like Hooks, and Higher-Order Components.
- Integrated React Query to improve data fetching, reducing API request times by 30%.
- Improved overall application performance by 45% through efficient caching and query management.
- Used React.lazy and Suspense for lazy loading and code splitting to boost performance, and integrated Error Boundaries.
- Optimized application state management by implementing Redux and Context API, maximizing efficiency.
- Developed RESTful APIs using Spring Boot to build scalable microservices for handling CRUD operations.
- Redesigned legacy backend services using FastAPI, reducing server load by 35%.
- Used Spring Data JPA and Hibernate ORM for seamless database integration and efficient persistence management.
- Proficient in Oracle SQL, adept at writing queries and procedures for effective data manipulation and retrieval.
- Developed serverless solutions with AWS Lambda, cutting operational costs by 30% through automated workflows.
- Orchestrated workflows using AWS Step Functions, integrating microservices and Lambdas.
- Skilled in problem analysis, project management, and effective task prioritization while working independently.
- Containerized applications with Docker, streamlining development and ensuring consistent environments across stages.
- Managed the SDLC, including release management, to ensure smooth and timely software releases.
- Managed Git repositories and analyzed defects to improve code quality and system scalability in CI/CD environments.
- Analyzed business and technical requirements to develop modular, extensible designs aligned with stakeholder needs.
- Presented technical solutions clearly to both technical and non-technical teams, ensuring alignment with business needs.
- Led code reviews, documented APIs and technical processes, improving team collaboration, and code quality.

Infosys Limited   **Bengaluru, India**
Systems Engineer   Jan 2020 – Dec 2021

- Used Agile with TDD for efficient product development, involving backlog refinement, daily scrums, and customer inputs.
- Engineered reusable React components using Material UI and Bootstrap, including forms, cards, and modals.
- Used Spring MVC to implement MVC Design Pattern.
- Created RESTful APIs using Spring Boot, enabling seamless communication between client and server applications.
- Implemented Apache Kafka for distributed messaging among REST APIs, reducing message latency by 30%.
- Used JDBC to connect to Oracle DB, leveraging PL/SQL to write stored procedures and functions.
- Designed and implemented AWS solutions, including EC2, S3, and RDS, enhancing scalability and reducing costs by 30%.
- Established efficient build and deployment pipelines utilizing CI/CD processes and tools such as Git, Maven, and Jenkins.

EDUCATION

University of Central Missouri   Jan 2022 – May 2023
MS in Computer Science   GPA: 3.70

TECHNICAL SKILLS

- **Programming Languages**: Java, JavaScript, TypeScript, Python, C
- **Frontend Technologies**: React.js, Angular, HTML/CSS
- **Backend Technologies**: Spring Boot, Node.js, Express.js, FastAPI, Spring MVC
- **Databases**: Oracle SQL, MongoDB
- **Testing & Tools**: JUnit, Jest, JMeter, Puppeteer, Insomnia, Postman, Bruno
- **DevOps & Cloud**: Docker, Kubernetes, AWS, OpenShift, Jenkins
- **Other Technologies**: Microservices, Apache Kafka, Maven, log4j, Shell Scripting, Jira, Git, SVN