

Sai Teja Nadakuditi

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WORK EXPERIENCE

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

- Designed and coded application components in an Agile environment utilizing a test-driven development (TDD) approach and pair programming.
- Enhanced data fetching efficiency by integrating React Query into React applications, leading to a 30% reduction in API request times and improving overall application performance by 25% through efficient caching and query management.
- Improved rendering performance by 50% using memoization and React Virtualized, guaranteeing smoother user experiences.
- Optimized application state management by implementing Redux and Context API, maximizing efficiency and ensuring streamlined data flow.
- Created RESTful API using Python's FastAPI, seamlessly integrating it with Elastic systems, and reducing data retrieval times by 25% while enhancing system responsiveness by 30%.
- Accelerated backend development by implementing a JSON parser, streamlining data processing, and significantly decreasing development time.
- Redesigned and optimized backend services by transitioning from Grails to FastAPI, reducing server load by 35% and improving overall application performance and maintainability.
- Made targeted code modifications to enhance functionality and performance in Grails applications, contributing to improved system efficiency and user satisfaction.
- Implemented Redis caching in a FastAPI application to optimize data retrieval and reduce database load, resulting in a 50% improvement in response times and a 40% decrease in server load during peak usage.
- Engineered a deploy script for React, automating deployment and reducing manual effort.
- Proficient in Oracle SQL, adept at writing queries and procedures for effective data manipulation and retrieval.
- Optimized deployment processes by leveraging Jenkins to automate rebuilds, enhancing build efficiency and reducing manual intervention.
- Deployed applications to OpenShift and managed horizontal and vertical scaling to ensure optimal resource utilization and application performance.
- Conducted performance testing with JMeter to evaluate and ensure application reliability and performance under various load conditions.
- Expertise in Git and SVN for efficient code management and team collaboration.

Systems Engineer, Infosys – Bengaluru, INDIA Jan 2020 – Dec 2021

- Employed Agile with TDD for efficient product development, involving backlog refinement, sprint planning, daily scrums, and customer interactions.
- Engineered reusable React components using Material UI and Bootstrap, including forms, cards, and modals, with robust validation to ensure user-friendly interactions and reduce form submission errors by 25%.
- Engineered robust microservices using Spring Boot to create scalable and maintainable applications with RESTful APIs, implementing efficient CRUD operations that improved data management and reduced response times by 30%.
- Implemented Apache Kafka for distributed messaging among REST APIs, reducing message latency by 30% and boosting system scalability by 25%.
- Developed API routes and services using Express.js to implement key functionalities.
- Leveraged Log4j logging API framework for logging Java applications for debugging and monitoring purposes.
- 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, resulting in a 40% reduction in deployment time and a 30% increase in overall development productivity.

EDUCATION

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

TECHNICAL SKILLS

React.js, Express.js, Node.js, MongoDB, Microservices, Java, Spring Boot, Maven, log4j, Spring JPA, Data Structures & Algorithms, HTML/CSS, Javascript, Jest, Puppeteer, C, Oracle SQL, Python, FastAPI, Insomnia, Shell Scripting, AWS, OpenShift, JMeter, Apache Kafka, Docker, Kubernetes, Jenkins, Jira, Git, SVN.