Sai Sriram Gundepalli

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SKILLS

Languages: C, C++, Python, Java.
Web technologies & Servers: HTML 5, CSS 3, JavaScript, TypeScript, JSON, XML, SOAP, REST API's, RESTful Web Services.
Core Concepts: Data Structures and Algorithms, OOPS, OAuth 2.0, System Design, Operating Systems, AWS.
Frameworks and Libraries: Spring, Spring Boot, Spring Cloud, Spring Security, Spring Data JPA, JDBC, Hibernate, Angular, ReactJS, Redux, NodeJS, VueJS.
Database: Oracle SQL Server, MySQL, PostgreSQL, MongoDB.
Developer Tools & IDE's: Postman API, CI/CD, Jenkins, Docker, Kubernetes, Apache Kafka, GIT, JIRA, Bitbucket, IBM WebSphere Application Server, JUnit 5, Mockito, Apache Maven, Tomcat, IntelliJ IDEA, Eclipse, VS Code.

WORK EXPERIENCE

Tata Consultancy Services (TCS)   **India**
Full Stack Developer   *08/2021 – 11/2022*
Frontend

- Engineered and deployed a cutting-edge user interface for a banking application incorporating HTML, CSS, JavaScript, and JSP, alongside Angular UI framework, the redesign led to a 30% surge in customer engagement and a 25% decrease in customer complaints.
- Implemented responsive design techniques across all platforms to ensure optimal user experience, leading to a 25% increase in mobile traffic and a 10% increase in conversion rates.
- Streamlined Postman API to conduct thorough testing of API endpoints, identifying and resolving 20% of bugs before production release.
- Engineered a secure CORS protocol for seamless data exchange between backend servers and frontend interfaces, this initiative cut data access latency by 50%, drastically improving user engagement and overall experience.
- Streamlined the build and deployment process, reducing build times by 20% by optimizing Apache Maven configurations.

Backend

- Developed secure Microservices architecture by implementing Spring Boot and Hibernate ORM, resulting in 40% decrease in response time for RESTful Web Services and enhanced backend system performance.
- Deployed comprehensive security protocols with Spring Security, safeguarding sensitive information and leading to a 50% decrease in unauthorized access incidents within six months.
- Utilized Git repository and Jenkins building tool to streamline Continuous Integration and Continuous Deployment processes, resulting in a 30% reduction in deployment errors.
- Implemented rigorous testing procedures with JUnit and Mockito to ensure application reliability, ensuring a bug-free release and improving overall user satisfaction by 15%.
- Optimized database queries using Oracle SQL Server in collaboration with cross-functional teams, reducing query execution time by 40% and boosting overall system performance, leading to a 25% increase in operational efficiency.

ACADEMIC PROJECTS *(All my projects are available in my [GitHub](#) profile)*

Full-Stack Web Application

- Designed a monthly challenge full-stack web application using Spring Boot for the backend and React for the frontend. Utilized the Axios API library to seamlessly fetch and integrate data from the backend to display in the UI.
- Implemented OAuth2.0 authentication and authorization in a full-stack web application using Spring Boot and React, enhancing security and user experience.

LEARNINGS & CERTIFICATIONS

- Obtained the Postman API Fundamentals Student Expert Badge Program ([Postman Student Expert Badge](#))
- Microsoft Certified: Azure AI Fundamentals (Credential ID: D0614A4BE2158E32)

EDUCATION

Eastern Illinois University | Master of Computer Technology (GPA: 4.0/4.0)   **May 2024**
Courses: Java Application in Technology, Advanced Database Technology, Multimedia and Web Technology, Database Security and Reliability, Management of Comp Technology, Networking and Advanced Data Communications.