

Sai Sriram Gundepalli

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TECHNICAL SKILLS

Languages: HTML 5, CSS 3, JavaScript, TypeScript, C++, Python, J2EE, Java.

Core Concepts: Data Structures and Algorithms, OOPS, OAuth 2.0, System Design, Operating Systems.

Frameworks and Libraries: Spring, Spring Boot, Spring Cloud, Spring Security, JDBC, XML, JPA, Hibernate, Angular, ReactJS, NodeJS, VueJS, JSON, SOAP, REST API's, RESTful Webservices, Microservices.

Database: Oracle SQL Developer, MySQL, PostgreSQL, MongoDB.

Developer Tools: Postman API, CI/CD, Jenkins, Docker, Kubernetes, GIT, JIRA, Bitbucket, IBM WebSphere Application Server, JUnit Testing, 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 incorporating HTML 5, CSS 3, and JavaScript technologies, alongside Angular UI framework, the redesign led to a 30% surge in customer engagement and a 25% decrease in customer complaints.
- Implemented robust authentication and authorization mechanisms using Spring Security, reducing unauthorized access incidents and 50% increase in system security and data integrity.
- Streamlined Postman API to conduct thorough testing of API endpoints, identifying and resolving 20% of bugs before production release.
- Conducted CORS mechanism, establishing a secure and efficient data transfer protocol between backend servers and frontend applications; this transformational initiative led to a remarkable 50% reduction in data access latency, enhancing overall user 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, resulting in 40% decrease in response time for RESTful Webservices and enhanced backend system performance.
- Implemented end-to-end authentication and authorization using Spring Security to protect sensitive data, leading to reduction in security breaches.
- Utilized Git repository and Jenkins building tool to streamline Continuous Integration and Continuous Deployment processes, resulting in a 30% reduction in deployment errors.
- Collaborated with team members to conduct code reviews and implement best practices for using Junit and Mockito in unit testing, resulting in a 15% improvement in code quality.
- Collaborated with cross-functional teams to optimize database queries using Oracle SQL developer and improve overall system performance, resulting in increase in 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.

LEARNINGS & CERTIFICATIONS

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

EDUCATION

Eastern Illinois University

United States

Master of Science in Computer Technology (GPA: 4.0)

01/2023 – 05/2024