Sai Sriram Gundepalli

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SKILLS

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

WORK EXPERIENCE

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

- Developed an interactive Single-Page Application (SPA) user interface for a banking application using HTML, CSS, JavaScript, and Angular, increasing customer engagement by 30% and reducing user complaints by 25%.
- Implemented responsive design techniques across platforms, enhancing user experience and leading to a 25% increase in mobile traffic and a 10% boost in conversion rates.
- Streamlined API testing with Postman, identifying and resolving 20% of bugs before release.
- Engineered a robust CORS framework for efficient communication across server-client architectures, resulting in a 50% reduction in data retrieval times.

Backend

- Architected secure microservices using Spring Boot and Hibernate, leading to a 40% decrease in response time for RESTful Web Services.
- Enhanced application security by implementing Spring Security protocols, reducing unauthorized access incidents by 50% through robust authentication and authorization measures.
- Deployed CI/CD pipelines using Jenkins, resulting in a 30% reduction in deployment errors and faster release cycles.
- Conducted rigorous testing with JUnit and Mockito to ensure application reliability, reducing bugs by 15% and improving user satisfaction.
- Optimized SQL queries for Oracle SQL Server, reducing query execution time by 40% and boosting overall system efficiency by 25%.

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

- Deployed my portfolio on Netlify server, ensuring fast load times under two seconds while enhancing user accessibility, which contributed to an increased engagement rate of over 50% in visitor interactions with showcased work.
- 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.
- Developed a CRUD API using Spring Boot with GraphQL integration, enabling efficient data fetching and manipulation.
- Created a Go web server and CRUD API client using http, log, rand, strconv, and mux packages.

LEARNINGS & CERTIFICATIONS

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

PROFESSIONAL INTERESTS

- Interested in cloud infrastructure (AWS, OpenShift), containerization (Docker, Kubernetes), CI/CD, microservices architecture, Applied Mathematics, and continuously learning new technologies to enhance technical expertise.

EDUCATION

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