Sai Sriram Gundepalli

saisriramgundepalli@gmail.com | 217-790-8648 | [LinkedIn](#) | [Portfolio](#) | [GitHub](#) | [Twitter/X](#) | [Leetcode](#)

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 engaging **Single-Page Application (SPA)** to modernize the banking experience through **HTML**, **CSS**, **JavaScript**, and **Angular**, resulted in a notable increase in customer interaction levels of up to **30%**.
- Implemented responsive **design techniques** across platforms, enhancing user experience and leading to a **25%** increase in overall traffic and a **10%** boost in conversion rates.
- Streamlined **API** testing with **Postman**, detecting and resolving **20%** of bugs pre-release for smoother deployments.
- Engineered a robust **Cross-Origin Resource Sharing (CORS)** framework for efficient communication across **client-server** 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)*

- Built and deployed my **portfolio** using **React** on **Netlify**, ensuring fast load times of under **two seconds** and enhancing user accessibility, resulting in a significant boost in visitor engagement with the showcased projects.
- 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), 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)   *05/2024*
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.