

Sai Sriram

*Open to relocation

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SUMMARY

Experienced Software Engineer specializing in full-stack development with expertise in Java 8, Spring Boot, Angular, and ReactJS. Skilled in building secure, scalable applications, robust testing, and providing seamless production support. Passionate about cloud infrastructure, Agile methodologies, and modern web technologies.

SKILLS

Languages: C, C++, Java 8, Go.

Web technologies & Servers: HTML, CSS, JavaScript, TypeScript, JSON, XML, SOAP, REST API's, RESTful Web Services.

Core Concepts: Data Structures and Algorithms, Java Streams API, lambda expressions, Multithreading, OOPS, AWS Services.

Frameworks and Libraries: Spring Boot, Spring Data JPA, JDBC, ReactJS, Angular, NodeJS.

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

Developer Tools & IDE's: Docker, CI/CD (Jenkins, GitHub), Apache Kafka, Maven, JIRA, Bitbucket, Postman, Tomcat, 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 **Java 8** and **Spring Boot**, leading to a **40%** decrease in response time for **RESTful Web Services**.
- Optimized data processing pipeline using **Java Streams API** and **lambda expressions**, reducing processing time by **40%** and improving code maintainability with **30%** fewer lines of code.
- Built and deployed applications using **Jenkins**, resulting in a **30%** reduction in deployment errors and faster release cycles.
- 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)

EDUCATION

- Eastern Illinois University** | Master's in Computer Technology (GPA: 4.0)
- Courses:** Java, Advanced Database Technology., Multimedia and Web Technology, Database Security and Reliability