

# Sai Sriram Gundepalli

\*Open to relocation

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## SKILLS

**Languages:** C, C++, Java, Python, TypeScript, Go (basics).

**Web technologies & Servers:** HTML5, CSS3, JavaScript, Bootstrap5, JSON, XML, REST, GraphQL.

**Frameworks and Libraries:** Spring Boot, ExpressJS, NodeJS, React, Angular, JWT.

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

**Developer Tools & IDE's:** Figma, Git, Jira, Docker, Jenkins, Maven, Postman, Bitbucket, VS Code, IntelliJ IDEA.

**Core Concepts:** Data Structures & Algorithms, OOP, Multithreading, Design Patterns, SOLID principles.

**Certifications:** Microsoft Azure AI Fundamentals, Postman API Student Expert Badge.

## WORK EXPERIENCE

### SuperINTRO

San Francisco

#### Software Engineer Intern

12/2024 – Present

- Crafted user-centric UI/UX **wireframes** and **mockups** in Figma, transforming complex concepts into user-friendly designs.
- Engineered a persona-based social media platform utilizing ReactJS and NodeJS, achieving a **30% increase** in user engagement and contributing to a community growth of over **1,000 active users** within the first three months.
- Optimized back-end performance through the implementation of ExpressJs and NodeJS, resulting in a **40% reduction** in **server response times** and enhancing overall user experience by **decreasing load times** to under two seconds.
- Implemented advanced authentication protocols using JWT, boosting security measures that decreased unauthorized access attempts by **80%** and ensuring compliance with industry standards for user data protection.

### Tata Consultancy Services (TCS)

India

#### Full Stack Developer

08/2021 – 11/2022

##### Frontend

- Developed an interactive Single-Page Application (SPA) to modernize the banking experience through HTML, CSS, JavaScript(ES6), and Angular 13, 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 2.7.0, leading to a **40%** decrease in response time for RESTful Web Services.
- Defined API endpoints and **request/response** formats, incorporating authentication & authorization mechanisms that enhanced system security by **15%**.
- Designed, optimized, and managed SQL databases, developing efficient schemas and queries that **improved data retrieval** speed by **30%** and enhanced backend functionality, supporting a **25%** increase in application performance.
- Conducted thorough code reviews and participated in quality assurance processes to identify and resolve bugs, optimize performance that improved application speed by **20%** and reduced system crashes by **15%**.
- Shared technical knowledge and **best practices** with team members, contributing to the **continuous improvement** of development processes and fostering a culture of learning.

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

- Built and deployed my **portfolio** using **React 17.0.1** on **Netlify**, ensuring fast load times 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 **Java 17.0.9**, **Spring Boot 3.3.4** for the **backend** and **React 18.3.0** for the **frontend**. Utilized the **Axios API** library to seamlessly fetch & integrate data from the backend.
- Developed a **CRUD API** using **Spring Boot 3.3.4** with **GraphQL** integration, enabling **efficient data fetching** and manipulation.
- Created a **Go 1.23.1** web server and **CRUD API** client using **http**, **log**, **rand**, **strconv**, and **mux** packages.

## 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.