




Sai Manoj Dintakurti

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SUMMARY

Software Engineer with experience as a Full Stack Developer, skilled in creating scalable web applications and achieving significant performance improvements. Successfully architected microservices and optimized codebases, leading to enhanced application performance and user engagement. Currently pursuing a Master's in Computer Science at Virginia Tech, eager to leverage technical expertise to drive innovative software solutions.

EDUCATION

- Virginia Tech** Virginia
Masters in Computer Science August 2023 - May 2025
- Jawaharlal Nehru Technological University** India
Bachelor of Technology in Computer Science August 2017 - May 2021

SKILLS

- Languages:** Java, Python, C, Kotlin, SQL
- Frameworks:** Spring Framework, Spring Boot, Spring MVC, Microservices, Spring Data JPA, Apache Struts, NextJS
- Web Technologies:** React, Redux, JavaScript, HTML5, CSS3, Bootstrap, Freemarker, Thymeleaf, JQuery, Node.js
- Databases:** Oracle, MySQL, SQL Server, MongoDB
- Cloud & CI/CD Tools:** AWS, Docker, GIT, Kubernetes JIRA, BitBucket, Postman, NPM, Gradle, Bamboo, Jenkins

EXPERIENCE

- Software Development Engineer at Infosys** September 2021 - August 2023
Infosys Limited Hyderabad, India
 - Architected and developed highly efficient microservices architecture utilizing containerization technology, enabling seamless handling of millions of concurrent requests, resulting in a 40% reduction in response time.
 - Developed and maintained REST APIs for seamless communication between frontend and backend, resulting in a 25% improvement in website performance and a 40% increase in user engagement.
 - Implemented query optimization, decreasing retrieval time by 40%, improving database performance and data access. Secured application with Spring's security features, achieving zero breaches and ensuring data integrity
 - Consistently Optimized the codebase, eliminating redundant code by 15% and enhancing overall code quality, resulting in a significant improvement of application performance by 25%.
 - Led agile project management by expertly utilizing Jira, Bitbucket, and Git; streamlined collaboration, resulting in a 20% increase in team efficiency and on-time project delivery.
- Software Associate at Cognizant** May 2021 - September 2021
Cognizant Hyderabad, India
 - Collaborated with a team of developers to build and enhance web applications using Java, Spring, and React, resulting in a 30% increase in application efficiency and a 25% boost in user satisfaction.
 - Created APIs to improve application functionality and performance, leading to a 20% increase in user satisfaction.
 - Designed unit testing to improve code reliability and reduce bugs in the production environment, decreasing production issues by 30%.

PROJECTS

- Shopify:** Programmed and fine-tuned Shopify, an e-commerce powerhouse for thousands of products and concurrent customer traffic. Achieved 40% faster load times and cut query response times by 60%, elevating user experiences. Managed 50,000+ products, serving 10,000 customers seamlessly at once.
- Traffic Analysis Through Digital Video Processing:** Constructed an OpenCV-powered system for precise vehicle counting via surveillance cameras. Enabled businesses to adjust operations using real-time traffic data, achieving 90%+ accuracy. Enhanced resource allocation and operational efficiency.
- Handwritten text recognition:** Built a mobile application using tensor flow and Python which can scan handwritten text and convert it to digital text with an accuracy of 95%.

HONORS AND AWARDS

- Commended by the client for smoothly implementing CSOS, driving a 20% sales increase in controlled substances.
- Insta Rise Award: Awarded Best Employee for Timely Project Development and Deployment.

CERTIFACTIONS

- AWS Certified Developer - Associate
- AWS Certified Solutions Architect - Associate