


Sai Eshwar Reddy Gangireddy

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 [My Github Account](#) [My Portfolio](#)

Education

University of Louisiana at Lafayette

Masters of Science in Computer Science

August 2022 – May 2024

Lafayette, LA

Jawaharlal Nehru Technological University

Bachelors of Technology in Computer Science

August 2015 – May 2019

Hyderabad, India

Experience

University of Louisiana at Lafayette

Graduate Teaching Assistant

August 2022 – Present

Lafayette, LA

- * Graduate Teaching Assistant with the School of Computing and Informatics for the course Distributed Computing Systems.
- * Researched and developed a custom linguistic keyboard using Keyman for the Department of Communicative Disorders, featuring 99 % coverage of International Phonetic Alphabet (IPA) keys.

Tata Consultancy Services

Systems Engineer

June 2019 – June 2022

Hyderabad, India

- * Spearheaded the implementation of automated testing workflows using Cucumber BDD Framework and Selenium, achieving a remarkable 92% automation quotient.
- * Implemented and optimized automated testing workflows using Docker containers, resulting in a 30% reduction in test environment setup time and ensuring consistent testing environments across the development lifecycle.
- * Integrated Kubernetes into the CI-CD pipeline, automating deployment, scaling, and management of containerized applications, resulting in a 50% reduction in deployment times and enhanced scalability.
- * Applied strong analytical and problem solving abilities to optimize the development processes.
- * Implemented Agile methodology, refining JIRA stories and improving project advancement from story tracking to bug resolution.
- * Designed and developed scalable Node.js APIs with Express.js and React for dynamic frontend interfaces, leveraging MongoDB for efficient data management.
- * Utilized Spring Boot framework to architect and develop backend services, seamlessly integrated with MongoDB.
- * Collaborated cross-functionally, conducted code reviews and contributing to the improvement of internal tools for growth.
- * Demonstrated expertise in debugging and log analysis using Graylog, CloudWatch, and Splunk, leading to a 25% reduction in issue resolution time within intricate IT ecosystems.
- * Developed and maintained data streaming and analytics platform, including designing data streaming pipelines and messaging architecture using Kafka, Apache Spark and Cassandra.

BHEL

Application Developer Intern

May 2018 – July 2018

Hyderabad, India

- * Designed an application called “Site Issue Monitoring System” which serves as an issue tracking system for the employees with the main criteria of tracking the issues that occur which improved issue resolution efficiency by 25%, enhancing overall workflow and user experience.

Projects

Automate Sending Notification Using AWS SNS and Lambda | *AWS SNS, SQS, Lambda*

- * Implemented AWS SNS and Lambda for automated notification sending.

Expense Tracker and Split Bill Application | *HTML, CSS, Bootstrap, JavaScript, PHP, MYSQL*

- * Developed an application using HTML, CSS, Bootstrap, JavaScript, PHP, and MySQL for efficient expense tracking and bill splitting.

Displaying CI-CD reports in AWS S3 | *Gitlab, YML, S3*

- * Configured Gitlab CI-CD reports display in AWS S3, increasing tracking efficiency by 40%.

Chat Application hosted by chatEngine.io | *ReactJS, ChatEngine.io*

- * Hosted a chat application on chatEngine.io using ReactJS.

Book store project using MERN stack | *ReactJS, NodeJS, MongoDB and ExpressJS*

- * Engineered a MERN stack book store project, achieving a 15% increase in website responsiveness and scalability.

Technical Skills

Languages: Python, Java, JavaScript.

Cloud Technologies and Version Control: : AWS, Git, GitLab

Project Management and SDLC: JIRA, Agile Methodology, Behavior Driven Development, Test Driven Development.

Test Framework and Tools: JMeter, Cucumber, Selenium, Postman API Testing, Seetest Automation.

Databases: MySQL, MongoDB.

DevOps: Docker, Kubernetes, Terraform, Gitlab CI/CD.

Web Technologies: HTML5, CSS3, Javascript, TypeScript, ReactJs, NodeJs, ExpressJs.