Sai Krishna Nagulapelly

+917093420593 • saikrishna1539@gmail.com• linkedin.com/in/--saikrishna

Summary

Software Engineer with 2+ years of experience writing code, debugging, and reviewing complex systems and distributed networks using Java, and JavaScript. Strong background in data structures, algorithms, compute technologies, and accessible development.

WORK EXPERIENCE

Systems Technology Group, Inc. (STG) • Chennai, Tamil Nadu, India • 05/2022 - Present **Software Engineer**

- Developed a full-stack web application that increased user interaction by 45% in 8 months.
- Developed fault-tolerant software architecture resulting in 98% uptime in 3 months.
- Optimized code to reduce page load time by 30% in 6 months, reducing server costs.
- Designed, coded, and tested software architecture resulting in a 50% decrease in customer bug reports within 6 months.

SKILLS

Languages: Java, JavaScript, TypeScript, SQL, Python
Frameworks: Spring Boot, Spring MVC, Angular, Hibernate
Databases: MongoDB, MySQL, Cassandra
Tools: Git, Maven, Jira, Jenkins, SonarQube

PROJECTS

NACS - CERT Application

Systems Technology Group, Inc. (STG) • 01/2023 - Present

Project Description:
Led development efforts for a groundbreaking project focused on testing vehicles and automating the generation of PDF reports detailing emissions and certification for each vehicle type.

Responsibilities:

- Implemented full-stack solutions using Java, Spring Boot, Angular, and MongoDB technologies.
- Designed and developed the system to collect and analyse vehicle emissions data.
- Created a streamlined process for generating comprehensive PDF reports, ensuring accuracy and compliance with industry standards.
- Collaborated with cross-functional teams to ensure seamless integration of software with vehicle testing equipment.
- Conducted rigorous testing to validate the system's functionality and reliability.
- Played a pivotal role in achieving industry-leading results for emissions testing and Certification.

Vehicle Buyback System

Systems Technology Group, Inc. (STG) • 09/2023 - 12/2023

Project Description

The Vehicle Buyback System, utilized by the OEM's Regulatory Affairs team, streamlines the process for customers to sell their used vehicles to dealerships or buyers in cases such as Lemon law, customer dissatisfaction, legal settlements, or accident-damaged vehicles. This web-based application simplifies the process for all parties involved.

The following was implemented in the development of the Vehicle Buyback System:

- A buyback template for replacement and repurchase, including details on the vehicle, customer, and buyback reasons.
- Approval process for the buyback template.
- A list of user roles within the application.

Responsibilities

- Understand client requirements and creation of low-level design
- Coding and unit testing (CUT) the above-mentioned features
- Releasing the tested source code for QA build
- Understand Quality Assurance team reported defects and fixing the same within the test sprint
- Collaborating with DevOps team in releasing the build for QA and UAT environments
- Troubleshooted and resolved technical issues as they arose
- Utilized Java, JavaScript, and other web development technologies to deliver high-quality software on time and on budget

Insight Project Manager
Systems Technology Group, Inc. (STG) • 05/2022 - 09/2022

Project Description

The Timesheet (Insight PM application) is an application designed to track employee performance, generate reports, and manage timesheets. It includes features such as reading and generating Excel files, creating dashboards for employees and managers, and sending email reminders to both managers and employees. This application helps streamline the process of tracking and managing employee activities and performance.

Responsibilities

- Collaborate with the client to understand requirements and design the application.
- Implement the functionality to track employee performance and generate reports.
- Develop features for reading and generating Excel files.
- Create interactive dashboards for employees and managers to monitor performance.
- Implement email reminder functionality for managers and employees.
- Utilize Java, JavaScript, Spring, Angular, and other relevant technologies.
- Follow Agile methodologies for efficient software development and delivery

EDUCATION

BTech - Bachelor of Technology
Geethanjali College of Engineering and Technology • 05/2018 - 08/2021