SAI PRAKASH SIKAHKOLLI

System Engineer

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SUMMARY

As a results-driven System Engineer with over 4.3 years of experience, I specialize in Java development, particularly in building scalable applications with Spring Boot. My expertise in system optimization, automation tools, and log analysis has allowed me to significantly enhance system reliability and performance. I am adept at streamlining processes to reduce operational errors and improve issue resolution efficiency through strategic automation and careful analysis

EXPERIENCE

System Engineer

TATA Consultancy Services

📅 03/2023 - Present

TATA Consultancy Services is a leading global IT services, consulting, and business solutions organization

- Developed and optimized high-performance RESTful APIs using Spring Boot, reducing response time by 40% and enhancing system scalability and efficiency.
- Designed, configured, and automated Splunk dashboards, improving log monitoring efficiency by 60% and minimizing system downtime.
- Engineered dynamic virtualization by creating DSL-based automation, reducing user errors by 90% and enhancing workflow automation and system reliability.
- Optimized system debugging processes by decoding and analyzing environment map's, enabling 50% faster issue diagnosis and reducing troubleshooting efforts by 70%.
- Developed a JavaScript-based conversion tool leveraging ChatGPT and AI assistance to transform Hoverfly JSON into DSL JSON format, significantly reducing manual effort and accelerating DSL file creation.

Associate Engineer

Virtusa Consulting Services Pvt Ltd

📅 05/2021 - 03/2023

Virtusa Consulting Services is a global provider of IT services and solutions

- Developed and optimized the Payments Initiation Panel for the CITI Bank project, enhancing transaction processing efficiency and improving user experience.
- Streamlined debit and credit transaction workflows, reducing processing time by 30% and automating payment template creation, cutting manual efforts by 50%.
- Redesigned and enhanced the payment initiation system, introducing user-friendly features that increased user satisfaction by 25% and reduced transaction errors by 20%.
- Implemented an LLM-powered language processing tool that converted input text from any language into its hexadecimal representation and stored it in the database. The system decoded and rendered the text back into the respective language (e.g., Spanish, Korean, etc.), improving multilingual support and database efficiency.

CERTIFICATIONS

GitHub Foundations Certificate

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Certified in The Fundamentals of Digital Marketing

KEY ACHIEVEMENTS

⭐ **Achievement Award**
Received an On-the-Spot Achievement Award twice consecutively for exceptional contributions in streamlining processes and improving operational efficiency

TECHNICAL SKILLS

- **Programming Languages**: Java
- **Frameworks**: Spring Boot, RESTful API's, Microservices
- **Database Management**: My SQL
- **Monitoring & Logging**: Splunk (Dashboard creation, Log analysis & monitoring)
- **Version Control & Collaboration**: Git, Bitbucket, Confluence
- **Virtualization & System Optimization**: DSL's creations and UDF scenarios, Workflow Automation
- **Build & Deployment:** Jenkins, CI/CD, Maven, Automated Deployment Strategies
- **Project Management:** JIRA
- **Development tools & IDEs:** IntelliJ, VS Code, PostMan, Bruno
- **Methodologies:** Agile

EDUCATION

Bachelor's Degree in Mechanical Engineering

K.S.R.M College of Engineering

📅 06/2017 - 08/2020