Venkat Sai Sarvasuddi

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(Open - Work Permit)

Results-driven backend developer with over 4+ years of full-time software engineering experience, specializing in building highly available distributed systems at scale. Proven expertise in developing scalable backend systems using Spring/Spring Boot architecture and leading end-to-end development lifecycles. Strong commitment to quality, demonstrated through thorough code reviews, clear documentation, and comprehensive unit and integration testing. Skilled in system optimization techniques and backend performance enhancements, ensuring robust and efficient solutions for complex challenges

EDUCATION

Master's in Computer Science, Bishop's University - Sherbrooke, Quebec   **Jan 2023 - Sep 2024**
Bachelor's in Electronics and Communication Engineering, GMR Institute of Technology - India   **Aug 2015 - May 2019**

PROFESSIONAL EXPERIENCE

Software Development Engineer | Amdocs Development Center   **Nov 2021 – Jan 2023**

- Contributed to the migration of LESOG (Local Exchange Service Order Generator) from legacy systems to Java Spring Boot, integrating RESTful web services to improve system performance by concurrently processing 5000+ LSRs (Local Service Requests) monthly.
- Managed integration between LESOG and downstream mainframe systems (BOCRIS, BOCABS, ICLOC) using APIs, leading to faster data retrieval and a reduction in service order generation time.
- Enhanced system performance by refactoring 20,000 lines of legacy code, reducing API response times by 30%.
- Restructured COBOL calls into Spring Cloud Gateway patterns and introduced web services (SOAP and RESTful) to improve system interoperability and communication, significantly enhancing response time efficiency.
- Optimized backend algorithms for LESOG, which significantly improved service order throughput, supporting peak loads during high-demand periods without system degradation, enhancing reliability and reducing operational risks.
- Ensured adherence to coding standards by utilizing SonarQube and SonarLint for continuous code quality analysis, participating in code reviews, and fostering collaboration through constructive feedback to developers
- Developed comprehensive unit and integration tests using JUnit, achieving over 90% code coverage. This significantly reduced production bugs, improved application reliability, and minimized operational risks.

Senior Software Engineer | Magnaquest Technologies   **Jan 2019 – Nov 2021**

- Designed and implemented a multi-threading adapter for RaceOnline Bangladesh, utilizing Java, Servlets, RESTful Web Services, JSON, RabbitMQ, JDBC, and MySQL to enhance system performance and scalability.
- Developed and integrated Multi-Level Fair Usage Policy Plan and Add-on plans into the Radius Server (AAA), resulting in a 25% increase in subscription upgrades.
- Demonstrated proficiency in the project life cycle, including requirements collection and other project management activities.
- Implemented MAC authentication functionalities as per client requirements, enabling and disabling as needed.
- Developed and deployed Web Services using both RESTful and SOAP protocols with Apache Axis, integrating log4j for efficient logging and tracking of service-related activities.
- Skilled in monitoring Application Servers and Web Servers, with advanced troubleshooting and debugging expertise, leveraging log messages to quickly identify and resolve issues.
- Built reporting functionality as per client requirements using Apache POI, Jasper Reports with TIBCO, and IReport in various formats such as PDF, HTML, CSV, Word, etc.

SKILLS

- **Programming Languages:** Java, J2EE, Python
- **Frameworks & Technologies:** Spring Boot, Spring Security, Spring Web, Spring Data JPA, Spring Cloud, Spring MVC, SOAP API, RESTful API.
- **Database:** SQL (MySQL, PostgreSQL).
- **Version Control:** Git, Maven
- **Software:** Eclipse, iReport, Spring Tool Suite, SQL Developer, WinCVS, WinScp, MySQL Workbench, Postman, SoapUI.
- **Methodologies:** Agile, Waterfall