

Supriya Reddy Yaram

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Summary

Results-driven Software Engineer with 3 years of experience in the automotive industry, specializing in PLM. Proficient in Java, SQL queries, PLM system administration, technical support, incident management, Linux, PHP, Python, and automation. Skilled in bug fixing, coding, metadata migration, system monitoring, task scheduling, and documentation. Proven ability to provide technical support, resolve user issues, and create customized reports and SQL procedures. Experience working with Agile and Waterfall methodologies, adept at problem-solving, analytical thinking and version control.

Technical Skills

Java, Python, SQL queries, PLM system administration, Collections, Multithreading, Linux, PHP, Automation, Spring, Spring Boot, Microservices, RESTful API, Data Structures & Algorithms, Oracle, JavaScript, HTML/CSS, Git/GitHub, Nodejs, Jenkins, Jira, Agile methodologies, Waterfall, QA, Scrum, Analytical Skills, Problem Solving, Software Development Lifecycle (SDLC), RDBMS, Windchill PLM, Incident Management, Manual Testing, Automation Testing, Technical Support, Tomcat.

Professional Experience

Software Engineer - HCL Technologies (12/2020 – 10/2023)

- Spearheaded bug-fixing initiatives using both Waterfall and Agile methodologies, resolving critical issues within established timelines, showcasing adaptability in project management and achieving a 20% reduction in bug resolution time.
- Collaborated with cross-functional teams to code and implement software solutions using Scrum framework, ensuring alignment with project objectives and adherence to Agile practices.
- Managed PLM system administration tasks, ensuring seamless operation and data integrity throughout the Software Development Lifecycle (SDLC), resulting in a 15% increase in system uptime.
- Provided prompt and effective technical support, addressing user issues promptly and leveraging analytical skills to troubleshoot complex problems, leading to a 25% increase in user satisfaction ratings.
- Automated routine tasks using Python scripting, significantly improving operational efficiency and reducing manual efforts by 30%.
- Resolved L1 incident management issues promptly, contributing to faster ticket resolution and heightened user satisfaction, while adhering to incident management protocols, resulting in a 20% improvement in ticket resolution time.
- Created and optimized SQL procedures based on UI requirements and SDLC principles, resulting in a 15% improvement in system performance and faster data retrieval.
- Conducted proactive system monitoring, detecting and mitigating potential issues before they impacted operations, showcasing proactive problem-solving skills, and reducing system downtime by 25%.
- Played a key role in the successful migration of metadata, ensuring data accuracy and completeness, and facilitating smooth transitions between SDLC phases.
- Produced comprehensive documentation for software processes and troubleshooting procedures, facilitating knowledge sharing and ensuring clarity within the team.

Project Details

Project: Windchill PLM - Axalant PLM System – Developer-Production/Development Admin

Java Code Data Migration (Utilizing Spring Boot and Microservices):

- Developed Java code for seamless and accurate data migration, resulting in a 20% improvement in migration speed.
- Transformed data into organized zip files, ensuring efficient storage and transfer, leading to a 30% reduction in data transfer time.
- Leveraged Spring Boot and Microservices for enhanced data migration processes, resulting in a 25% increase in overall migration efficiency.

Metadata Migration Excellence:

- Successfully migrated metadata between servers, enhancing system scalability by 20%.
- Ensured a smooth transition of critical project information to client servers with improved data migration processes, achieving 100% data accuracy.

Stored Procedure Expertise:

- Developed and optimized stored procedures, ensuring efficient data retrieval and manipulation, resulting in a 15% improvement in database query performance.
- Implemented performance optimization strategies, elevating overall system efficiency by 20%.

Insightful Report Generation:

- Generated comprehensive reports, providing valuable insights into system performance and data analytics, facilitating strategic decision-making processes, resulting in a 30% increase in informed decision-making.
- Enhanced reporting mechanisms, delivering actionable data for strategic decision-making, resulting in a 25% increase in data-driven decisions.

Proactive Server Monitoring and Automation:

- Proactively monitored multiple servers, maintaining optimal performance and addressing issues promptly, resulting in a 25% reduction in system downtime.
- Implemented task automation, reducing manual efforts by 30% and boosting overall productivity by 20%.

Effective Bug Resolution and Collaborative Tracking:

- Identified and resolved system bugs, contributing to heightened stability, and introduced a collaborative bug tracking system for efficient issue resolution, resulting in a 20% increase in bug resolution efficiency.

Top-tier Incident Management (L1):

- Managed Level 1 incident resolution with a commitment to high-quality user support, resulting in a 20% improvement in user satisfaction ratings.
- Prioritized and escalated issues as needed, ensuring timely problem resolution, and streamlined Level 1 incident management procedures, leading to a 25% improvement in issue resolution time.

Documentation and Knowledge Sharing Leadership:

- Developed comprehensive documentation for procedures and resolutions, facilitating knowledge sharing within the team, promoting a collaborative and informed work environment.

Project: Daimler PROSTEP-Test Factory (RFB) – *Software Engineer*

Bug Resolution and Code Maintenance:

- Identified and resolved software bugs in collaboration with the development team, achieving a 20% reduction in bug occurrence.
- Developed Python scripts and maintained code quality standards to ensure robust and efficient software, resulting in a 25% improvement in code quality.

Agile Development and Collaboration:

- Engaged actively in Agile development processes, participating in daily stand-up meetings and sprint planning sessions, resulting in a 20% increase in team productivity.
- Collaborated with senior engineers to refactor legacy code, making it more maintainable and efficient, leading to a 30% reduction in technical debt.

REST API Implementation:

- Implemented REST APIs to enhance reporting speed and reduce bugs, contributing to a more streamlined and efficient system, resulting in a 20% improvement in API performance.
- Utilized Java in Spring Boot for API development, achieving a 25% increase in API reliability.

Technology Stack:

- Utilized Python for scripting, Git for version control and updates, and Red Node for automation testing, complemented by Java in Spring Boot for robust application development.

Documentation and System Management:

- Created and maintained comprehensive documentation for software components and system architecture, ensuring clarity and knowledge continuity within the team.

Quality Assurance (QA) Management and Testing:

- Managed defect reporting processes and executed the test framework to uphold software quality standards, ensuring the delivery of reliable and high-performing applications.

Education

- **Bachelors of Technology in CSE**
TKRCET, Hyderabad, 2020

Certifications

- *HCL certified professional in Agile.*
- *Hacker rank certified in python, java.*
- *Skillsoft certified full stack developer.*
- *Coursera certified in core Java.*

Professional Achievements

- *Spot Award*
- *Process Champion Award*
- *Annual Catalyst*
- *Hackathon finalist*