SWAYAM PRAKASH RATH

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○ Github   in linkedin   ● Webpage

Experience

Mavenir   **Jul 2021 - Present**
Member of Technical Staff

- Designed and developed 15 critical VoLTE product features, improving user experience and functionality for over 8 distinct telecom service providers.
- Formulated actionable strategies based on Functional Requirement Specifications (FRS) for software solutions, achieving a hands-on improvement in team velocity by 40% while ensuring adherence to project timelines and quality standards.
- Streamlined code complexity through tailored designs and rigorous unit test case formulation, enhancing system scalability by 20%.
- Utilized Yang and JSON for advanced data modelling, boosting product adaptability and reducing processing time by 30%.
- Tested over 30 discrete Yang models for customer-based CLI using NETCONF, validating functionality and improving system reliability.
- Optimized code efficiency by 25% using C++ with STL and Protobuff, enhancing performance and data processing speed.
- Resolved 45+ critical bugs by leveraging GDB and Jira for rapid diagnosis and issue resolution, enhancing system stability and uptime by 18%.
- Automated over 50 test scripts using Shell and Python, resulting in a 30% increase in efficiency and a 25% improvement in the accuracy of unit testing processes.
- Orchestrated software deployments using Kubernetes, Docker, and Jenkins, achieving 99.9% deployment success rate with zero integration downtime.
- Developed a comprehensive suite of Key Performance Indicators (KPIs) including counters, gauges, and Transaction Record Logs (TRL), enabling real-time tracking that streamlined product performance evaluations by 30% across teams.
- Championed cross-functional collaboration by facilitating weekly strategy sessions with development, QA, and operation teams; ensured alignment on 12 major projects that improved project execution timelines by an average of 25%.
- Played an integral role within cross-functional teams, fostering collaboration and contributing to cohesive project execution.
- Consistently upheld high performance standards, directly contributing to the success of multiple product launches, and meeting 100% of project milestones.

Skills

Software Development	Software Design, Code Optimization, Product Deployment, 4G VoLTE
Programming Languages	C/C++, STL, Protobuff, Python, Yang, SQL
Software Tools	Git, Jira, Kubernetes, Jenkins, NETCONF, Excel, Spirent
Debugging and Testing	Bug Resolution, Debugging (GDB), Unit Testing

Education

Veer Surendra Sai University of Technology, Burla   **Aug 2017 - Jul 2021**
Bachelor of Technology, in Computer Science & Engineering