Desowja Palagani

Senior Test Engineer

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Professional Summary

Results-driven Senior Test Engineer with over 3 years 11 months of experience in manual, automation, and performance testing for backend and cloud-based applications. Proficient in LoadRunner Enterprise (LRE) for performance testing, **Parasoft SOAtest for API validation and functional testing**, and automation tools like Visual Studio and Splunk. Skilled in **functional testing, API validation, system migrations**, and ensuring seamless product delivery. Recognized for optimizing workflows, resolving critical production issues, and collaborating with cross-functional teams to deliver high-quality solutions on time.

Core Competencies

- **Performance Testing**: LoadRunner Enterprise (LRE), Splunk Dashboards
- **Manual Testing**: Functional, Regression, API, System Migration
- **Automation Testing**: Parasoft SOA, Visual Studio, Selenium
- **Database Management**: MySQL, DB2, Toad
- **Programming/Tools**: C#, .NET, PowerShell, MVC Framework
- **Test Case Design**: Test Plans, Execution, Defect Reporting
- **Collaboration**: Agile Methodologies, Scrum Teams, Client Interaction
- **Monitoring & Debugging**: Real-time error monitoring, Exception handling

Professional Experience

Senior Test Engineer
Wipro Technologies (Client: Charles Schwab) | *March 2021 – Present*

Key Projects:

1. **App Modernization**
   a. Decoupled mainframe dependencies across trading applications to ensure seamless production integration.
   b. Conducted end-to-end testing for trading functionalities, verifying performance and compatibility with modernized infrastructure using Parasoft SOAtest.

    c.   Utilized Parasoft SOAtest for API validation, database verification, and ensuring event store persistence.

    d.   Optimized workflows through functional and regression testing, ensuring zero post-production defects.

2. TDA Merge

    a)   Performed comprehensive functional and regression testing for integrating TDA workflows into Charles Schwab systems.

    b)   Validated critical trading features like order entry and user inquiry, ensuring a smooth user experience post-migration.

    c)   Utilized Parasoft SOAtest for API validation, database verification, event store persistence, and monitoring Splunk logs.

    d)   Maintained Splunk dashboards for real-time error monitoring, identifying and resolving performance issues efficiently.

App Cloudification

    a)   Migrated Windows-based trading applications to a **cloud platform**, ensuring **functional integrity** and **scalability**.

    b)   Tested core functionalities, backend APIs, and user flows to ensure **reliability** in cloud environments.

    c)   Conducted **load testing** with LoadRunner Enterprise to evaluate backend application performance under high loads.

Responsibilities:

- Designed detailed **test cases and plans** ensuring 100% application coverage.
- Conducted rigorous **functional, regression, and load testing** for backend and cloud applications.
- Monitored application performance using **Splunk dashboards** and resolved real-time production bottlenecks.
- Collaborated with cross-functional Agile teams to implement **Model-Based Testing** and automated frameworks.
- Delivered detailed **test execution dashboards** and defect reports to stakeholders for enhanced transparency.

Education

Bachelor of Technology in Electronics and Communications Engineering
Jawaharlal Nehru Technological University, Kakinada | 2020 | **CGPA: 7.28/10**

Higher Secondary Education
Sri Chaitanya Boys Junior College | 2016 | **Percentage: 94.7%**

Secondary School Certificate

Vijaya Sri Sunflower High School | 2014 | **CGPA: 9.3/10**

Certifications

- **LoadRunner Enterprise (LRE) Training** – Performance Testing
- **Parasoft SOA Certification** – Automation Testing
- **ISTQB Foundation Level** – Software Testing

Key Achievements

- **Creating Magic with Customer Award:** Recognized by Himanshu Gupta on 21 October 2024 for outstanding performance in completing performance tests within timelines.
- **Client Appreciation Award:** For critical production release deliverables.
- **Victory League Award (3x):** For exceptional performance and leadership in high-impact projects.
- **Habit Flag-Bearer Award (3x):** For responsibility, communication excellence, and team contributions.
- **Inspiring Performance Award:** For outstanding contributions to the team's success.

Technical Skills

- **Performance Testing**: LoadRunner Enterprise, Splunk Monitoring
- **Manual Testing**: Regression Testing, API Validation, System Migrations
- **Automation Tools**: Parasoft SOA, Selenium, Visual Studio
- **Database**: MySQL, DB2, Toad
- **Programming Languages**: C#, .NET, PowerShell

Languages

- **English**: Fluent
- **Telugu**: Native
- **Hindi**: Proficient