**PRASANNA PODA**

**832-356-0145**

[**prasannaPt16@gmail.com**](mailto:prasannaPt16@gmail.com)

**Performance Tester**

[**Lakshmi.p.poda@wellsfargo.com**](mailto:Lakshmi.p.poda@wellsfargo.com)

**PROFESSIONAL SUMMARY:**

* **8+ years** of experience in **Performance testing** utilizing **HP LoadRunner Tool, ALM-HP Performance Center 12.x, Jmeter, & Neotys NeoLoad.**
* Good knowledge in **Performance engineering life cycle** and **performance engineering strategy.**
* In-depth knowledge of **Software Development Life Cycle (SDLC)** and **QA testing** methodologies.
* Able to handle performance testing project independently.
* Have good experience on **Web (HTTP/HTML), AJAX-TruClient, WebServices & Citrix).**
* Proficient in creation of the Test Scripts and Test Scenario’s using **HP Load Runner, Jmeter, & Neoload.**
* Involved in **Requirement gathering, planning, Design Performance scripts, Execution and Reporting.**
* Strong in analyzing Business Requirements and Functional Specifications, identifying Test Scenarios, developing and executing Test Cases.
* Experienced in configuring and utilizing **Dynatrace**, **Sitescope** & **Wily Introscope** for performance monitoring.
* Expertise in developing **Test Scenarios, Performance Test Plan, Test Cases, Use Case, and Test Scripts**.
* Excellent Knowledge of programming languages like **C, C++, Java, SQL,** debug and execute **HP Load Runner scripts**.
* Proficient in functional, negative, regression, system integration (SIT), acceptance (UAT), load/performance, security (Authorization Testing , Access Control Testing and Encryption and Decryption), browser compatibility, and performance testing.
* Strong experience in Load Testing, System Testing, Regression Testing, Functionality Testing and Performance testing of Web based, Client/Server, Data Warehousing applications in Windows, UNIX Environments.
* Performed Volume, Performance, Breakpoint,Load & Stress testing using **HP Load Runner**.
* Experienced in enhancing the VuGen scripts, Correlation techniques, Parameterization, and Synchronizations.
* Analysis of cross results, cross scenarios, overlay graphs and merging different graphs.
* Experienced in testing the widest array of applications, from client/server to multi-tier protocols, which are developed in **.Net, JAVA/J2EE** Technologies.
* Working experience in executing test scenarios, reporting and analyzing the test results and make necessary recommendations.
* Able to work with all Open source performance testing tools.
* Worked with Agile project development lifecycle in different cross-functional teams.
* Scheduling weekly status meetings with the Developers, Users & Performance Testing Team and developing Comparison metrics to track the performance of the application over various builds.
* Experienced in interacting with Business, Development and System Administration teams to gather requirements.
* Highly motivated, detail oriented with excellent written and verbal communication skills, has ability to work independently and as a part of the team.

**TECHNICAL SKILLS:**

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| --- | --- |
| **Testing Tools:** | HP LoadRunner, HP Performance Center, HP Quality Center & Neotys Neoload |
| **Programming Languages:** | C, C++ & JAVA |
| **Protocols** | Web (HTTP/HTML), AJAX Truclient, Web Services, Basic Java & Citrix |
| **Databases:** | SQL Server 2008, Oracle 11g. |
| **Operating Systems:** | UNIX & Windows |
| **Messaging:** | IBM MQSeries, MSMQ |
| **Web & App Servers:** | Web Logic, Web Sphere, Apache, Tomcat and IIS |
| **Monitoring Tools:** | Dynatrace,CA Wily Introscope, HP SiteScope, |
| **Workflow Tools :** | MS-Word, MS-Excel, MS-PowerPoint, MS-Visio, MS-Outlook and IBM-Lotus notes. |
| **Technology :** | J2EE, ASP.NET |

**Work Experience:**

**Wells Fargo, Charlotte, NC Feb 2017- Present**

**Project 1: Performance Test Lead**

**Responsibilities:**

* Working as a Lead Performance Engineer handling multiple applications across an LOB for a migration project
* Involved in **Gathering requirements** from Business/Stakeholders, Creating **Work Load model, Test Plans, Scripts development, Test executions, Monitoring & Reporting**
* Developed scripts using **HP LoadRunner** & Executing Performance tests using **HP Performance center 12.01 & 12.05**
* Executed Peak Load, Endurance & Break point tests for Migrated applications
* Developed scripts using various protocols like **Web (HTTP/HTML ), TruClient**, **WebServices** and **Citrix** protocols
* Validated Web Services using **Soap UI** and created Load runner scripts
* Created Dashboards and monitored Server /Application performance metrics using **AppDynamics**
* Created **scenarios** using Performance Center to replicate Workload model
* Gathering requirements and delivering to Offshore as part of On & Offshore model
* Successful execution of Planned Performance tests in given Timeline, preparing **Analysis** and **Monitoring** reports
* Experienced in Analyzing test results and providing necessary recommendations to the application team
* Raised defects in Quality Center for the application related issues observed during the test
* Analyzed **AWR** reports and provided necessary recommendations to **DBA**’s & Application teams
* Expertise in writing **SQL** queries to fetch records/data from database involves database testing
* Working closely with developers to find the root cause of failures
* Analyzing the graphs and coordinating with **DBA**’s and Network administrators to ensure Optimum performance
* Involved in Finalizing Requirement gathering template, Test plan template, scripting standards template & Results template
* Working Closely with Stakeholders to ensure deliverables are met as per the requirements/ SLA’s

**Environment:** **HP LoadRunner, HP Performance Center, Quality Center, AppDynamics, Fiddler, Soap UI, .net, Java/J2EE & Windows.**

**Project 2: Sr. Performance Engineer May 2016 – January 2017**

**Responsibilities:**

* Performance Engineer for Wholesale QA team
* Handling end to end of multiple projects: Requirements gathering, Test plan, Scripts development, Scenarios design, Test execution, Monitoring and Reporting
* Performance/ Load testing using **HP ALM Performance center 12.1 & 12.5**
* Performance testing of customer end applications using **Neoload 5.1**
* Monitoring and bottleneck analysis using **Dynatrace** and **Wily Introscope**
* Good expertise in development of Scripts using various protocols like **Web (HTTP/HTML ), Ajax TruClient**, **WebServices** and **Citrix** protocols
* Developed Web (HTTP/HTML) & Truclient scripts using **HP Loadrunner 12.0 & 12.5**
* Experienced in Analyzing test results and providing necessary recommendations to the application team
* Involved in gathering/creating test data for Test execution
* Involved in developing and modifying the scripts in order to suit the requirements for Load tests
* Involved in validating and modifying scripts through HP LoadRunner, Created customized Load Runner VuGen scripts at API level with manual correlation and user defined functions
* Expertise in writing **SQL** queries to fetch records/data from database involves database testing
* Capturing HTTP(S) traffic using **Fiddler** for performance scripts development
* Have been performing the multiple test runs with different load sizes
* Executed load tests involving more than 1000 virtual users
* Supported load tests in **Production** Environment after Post deployments
* Generated multiple IP’s during load tests using IP Spoofing on demand from developers
* Scheduling weekly status meetings with the Developers, Users & Performance Testing Team and developing Comparison metrics to track the performance of the application over various builds
* Successful Execution of **Load/Stress/Endurance** tests in given UAT timeline

**Environment:** **HP LoadRunner, HP Performance Center, DynaTrace, Neload, Web Sphere, J2EE & Windows.**

**Molina Healthcare Inc., Long Beach, CA Feb 2015 – Apr 2016 Sr. Performance Engineer**

**Responsibilities:**

* Handling multiple projects at once in a very fast-paced and dynamic environment.
* Responsible for creating **Test Plans**, **Work Load models,** **Testing strategy**, **Test Cases** and **Final Reports**.
* Responsible for executing the performance tests and perform analysis and do **performance tuning** post analysis and make necessary recommendations to stake holders and business partners.
* Executed load tests using the Performance Center 11.0 and publish reports to the management and initiate decision making meetings.
* Scripts development based on **Ajax TruClient** , **WebServices** & **Web (http/html)** protocols
* Planned business test cases and generated **VUser scripts** with **VuGen** and enhanced them with **correlation**, **parameterization** and **functions**
* Validated web services using **Soap UI**
* Created test cases based on the requirements and the test conditions in Quality Center and identified test data in order to match with requirements.
* Executed different LoadRunner Scenarios in performance center and created **Load Runner Analysis Reports and Graphs.**
* Deep analysis & monitoring of applications using Wily Introscope & finding the root cause analysis of defect.
* Executed **Load, Stress** and **Endurance Testing** to simulate a process, which allowed using more than 1000 virtual users
* Proficient in writing **SQL** queries to fetch records/data from database
* Worked for defect resolution for the assigned applications.
* Executed load tests using **JMETER** for web applications
* Expertise in developing scripts using **JMETER/ Blazemeter** and executed load tests using **JMETER**
* Worked on **Unix** Environment for creating data files, monitoring and troubleshooting issues.
* Review of performance execution approach documents.
* Actively participated in Defect Review meetings involving Test Coordinator, Developers, Business Analysts and Project Managers to report the status of defects to the management.

**Environment:** **HP LoadRunner, HP Performance Center, HP Quality Center, Apache, Web Sphere, Oracle, MS Office, J2EE, CA Wily Introscope, Windows, Linux & AS400.**

**Bridgestone, Aiken, SC Apr 2014 – Jan 2015**

**Performance Tester**

**Responsibilities:**

* Gathered user requirements and designed the **Test Plans** and **Test Scenarios** accordingly.
* Involved in full life-cycle of the project from requirements gathering to transition using **Agile** Methodology.
* Planned and generated **Vuser scripts** with **VuGen** and enhanced them with **correlation**, **parameterization** and **functions**.
* Generated customized reports for testing the performance of various transactions by developing various user-defined functions as well as **LoadRunner** functions.
* Ability to diagnose Web/App server performance issues/troubleshooting using **LoadRunner J2EE Diagnostics/Deep Diagnostics**.
* Worked with Load Runner in analyzing application performance for varying loads and stress conditions.
* Worked on different protocols like Web (HTTP/HTML), Web services & Multiprotocol.
* Arranged training and information sessions for Data entry personnel as part of **User Acceptance Testing (UAT**). Handed out incident reporting templates for recording bugs during UAT.
* Executed different Scenarios for different applications in controller and **created Load Runner Analysis Reports and Graphs**.
* Executed in **Load, Stress** and **Breakpoint** Testing.
* Worked on Unix Environment for accessing, creating data files, Monitoring, troubleshooting issues. .
* Establishing **KPI’s** (Key performance indicator) for judging the performance of a system.
* Used Performance monitor to analyze the % CPU Usage, Memory and Requests per Second for each Scenario using different tools such as **rstatd, vmstat, sar, top** etc.,
* Analyzed IBM Rational Performance Tester on-line graphs and reports to check where performance delays occurred, network or client delays, CPU performance, I/O delays, database locking, or other issues at the database server
* Developed and executed load tests using **JMETER** for web applications
* Have done assertion handling, Parameterizations and Correlations for different types of requests using **JMETER** and proficient at using Jmeter listeners and samplers
* Provided recommendations to improve the performance of the application by communicating performance test results to all stakeholders.
* Interacted in Daily standup meetings with the Management and report day-to-day activities and updates.
* Performed backend testing using complex SQL queries on Oracle database.

**Environment:** HP LoadRunner, Quality Center, Agile, Java, WebSphere, AIX, Toad, Oracle, SQL, UNIX.

**Centene Corporation, St. Louis, MO Sept 2013 – Mar 2014**

**Performance Tester**

**Responsibilities:**

* Interacted with the Business Analyst and application teams to discuss the performance requirements and load test strategy.
* Developed the **performance Test Plans** and **Load Test Strategies**.
* Developed Virtual User scripts using **Web (HTTP/HTML), Ajax (Click and Script), Web Services** using **HP LoadRunner.**
* Monitored different graphs like transaction response time and analyzed server performance status, hits per second, throughput, windows resources and database server resources using LoadRunner Analyzer.
* Closely monitored the **UAT** process and documented defects in **Rational Clear Quest.** Simultaneously updated the QA team Defect log and generated reports and analyses.
* Conducted the Database Testing of the application Using **SQL Queries**.
* Regression, Performance Testing & Smoke Tests of the Web Application.
* Developed Test scripts for Functional, Regression and Data Driven Tests Using QTP.
* Executed Test Scripts Using QTP, analyzed results and Reported bugs using Test Director.
* Participated and Interacted with Developers and Team Leads to report and track bugs.
* Created Data Driven Tests to validate the same scenario with different test data.
* Compiling results from data validation into individual reports that summarizes pass/fail ratio and the types of failures being discovered.
* Analyzed Load pattern and created test scenarios to emulate the real life stress conditions.
* Created **Test Metrics**, **Bug Database** and generated weekly reports for senior management.
* Conducted meetings with developers, application team, business team to analyze the defects evaluate the test executions
* Involved in the decision making with the management for final applications releases.

**Environment:** JAVA, J2EE, WebSphere, Apache, HTML, LoadRunner, Quality center, UNIX scripting.

**PNC Bank, Cleveland, OH Nov 2012 – Aug 2013**

**Performance Tester**

**Responsibilities:**

* Responsible for reviewing and analyzing the requirements of the new system and identifying discrepancies that can hinder System, **Regression,** and **User Acceptance Testing**.
* Responsible for **performance testing (Load, Stress and Volume)** using **HP LoadRunner (Controller, Virtual User Generator, Analysis**)
* Involved in installation and Setup of Performance Center HP LoadRunner.
* Defined transactions to measure server performance under load by creating **rendezvous points** to simulate heavy load on the server.
* Performed result analysis using online monitors and graphs using Load Runner
* Assisted in **tracking, analyzing and documenting bugs/defects using Test Director.**
* Extensive use of **SQL** and **PL/SQL** for Data retrieval from **DB2** and **Back End Testing**
* Arranged schedules and notifications for the QA Team, Development team, Middleware team and Business Banking team to meet and discuss status of the project.
* Coordinated with Technical Teams to monitor **Database Query**, **CPU Utilization and Memory.**
* Coordinated with Functional Teams to Identify the Business Process to be Performance Tested.
* Designed Test Case documents for Performance testing in Quality Center and report defects.
* Analyzed the server resources such as Available Bytes and Process Bytes for Memory Leaks.
* Analyze, interpret, and summarize meaningful and relevant results in a complete **Performance Test Report.**
* Worked closely with engineering team to discuss the design and testing aspects of the applications to design the test plans and to isolate the root cause of defects.

**Environment:** LoadRunner11.0, Java, WebSphere, Linux, AIX, HTML, Oracle, MQ Series, XML, QTP8.0, Agile

**Intelli Group Asia Pvt Ltd., India Aug 2010 – Oct 2012**

**Performance Tester**

**Responsibilities:**

* Created the load test scenarios using Load Runner Controller from scratch, which includes Creating the **VUGen** Scripts and Assigning **VUsers** for each script.
* Correlated all dynamic values within the script generated by Load Runner and enhance (add transaction, text/content check) them according to the scenario.
* Developed scripts using **Web (HTTP/HTML), Web services and JAVA.**
* Enhanced the Load Runner scripts by **parameterization**, **check points**, **correlation** and by keeping Rendezvous points.
* Scheduling the scenarios using the **Load Runner's Controller** and analyzing the results using Analyzer.
* Performed smoke testing by checking the build release from the developers.
* Performed Regression testing after logging defects.
* Involved in database testing by writing **SQL queries** and also using data base functions for automation.
* Worked on Throughput, Hits per seconds, Network delays, latency, and capacity measurements and reliability tests of on multi - layer architecture.
* Worked on **performance testing report** and made recommendation for system/application performance improvement.
* Worked with developers, business and release managers in bug fix issues and in meeting project deadlines.
* Reported the bugs, Email notifications to the developers using QC.

**Environment:** Load Runner, Quality Center, VB script, UNIX, XML, Web Sphere, Web logic, Oracle, Site Scope.

**Mind Tree Pvt Ltd., India June 2008 – July 2010**

**Quality Analyst**

**Responsibilities:**

* Understanding the Requirements and Design documents.
* Experience in **Test Environment Setup** and **Test Infrastructure Development** in Manual.
* Preparing the **Test Plan** and **Test Scenarios** Document
* Preparing and Maintaining the **Requirement Traceability Matrix (RTM)**
* Reviewing the **Test Cases** Prepared by the Team Members
* Performed backend testing creating **SQL queries** in SQL Server.
* Performed Functional Testing, Compatibility Testing, Negative testing, GUI Testing and Security Testing.
* Monitor the Test Execution Progress and Manage the Issues during Test Execution
* Coordinate with OSC/Client for clarifications
* Regression testing performed on every new build of the application.
* Preparing the Daily Status Report and Weekly Status Report
* Monitoring Mantis to retest and close the bugs, once developers fixes the bugs.

**Environment:** SQL server 2005, Rational RequistePro, SQL Server Management Studio.

**Education:**

Bachelorof Technologyin Electronics & Communications, JNTU, India