**RAVI TEJA**

**SUMMARY**

* Around 8 years of Quality Assurance experience with strong expertise in **Performance/Load & Stress Testing** using HP Performance Center /Load Runner.
* Excellent knowledge of all phases of Software Development Life Cycle methodologies like Agile, Scrum and Waterfall.
* Expertise in all phases of **performance testing**.
* Has strong expertise in Load test tools like **HP Load Runner**, **HP Performance Center, JMeter**.
* Expertise in testing web services using **SOAP UI.**
* In-depth knowledge & experience in developing scripts for complex scenarios, monitoring of web applications and database servers.
* Scripting expertise in wide range of **VuGen** protocols like Web (**http/html**), **Click**&**Script** (Web) and **WebServices**.
* Experience in analyzing performance requirements from the Business/application team.
* Identifying and Preparing Test cases for Performance Business Critical Transactions.
* Experience in preparation of test scripts and test scenarios.
* Executed different types of performance tests like **load** testing, **stress** testing and **endurance** testing.
* Creating and analyzing graphs, generation of performance test summary reports.
* Experience in analyzing the Memory usage, Garbage Collection, Network, Heap Usage and DB connections to verify the performance of the applications.
* Analyzed the test results like TPS, Hits/Sec, Transaction response time, CPU utilization etc., by using **Load Runner analysis**, various monitoring tools and prepare test reports.
* Great working knowledge of Bug Reporting Tools using quality center.
* Experience in managing the testing schedule, communicating testing progress, deliverables tracking and reporting.
* Experience with monitoring tools like **Dynatrace, HP SiteScope** and **Wily Introscope**.
* Proficient in using Single and Multiple protocols in LoadRunner VuGen like **Web Http, Web Services, Ajax TruClient, Web Click and Script, Citrix ICA, COM/DCOM, ODBC and Oracle NCA.**
* Great knowledge in Object Oriented Programming, experienced with C programming (C#), HTML, XML, CSS.
* Coordinate with offshore team on developing test planning, scripts, scenarios, execution and result analysis.
* Ability to work effectively in a team and as well as an individual.
* Proactive team player with a positive attitude combined with good communication and interpersonal skills.
* Ability to work on tight schedules and on different projects concurrently.

**TECHNICAL SKILLS**

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| **Testing Automation Tool** | HP Performance Center, ALM Performance Center 11, 11.5, 12.00, Quality center 9.0/9.2,10.0, LoadRunner 9.10,9.52,11.0,11.50,12.00,12.50, JMeter. |
| **Test Management Tool** | **HP Mercury** Quality Center/Test Director. |
| **Scripting** | DHTML, CSS, JQuery, JavaScript, XML, HTML, Pearl, Python |
| **Monitoring Tools** | HP SiteScope, HP Diagnostics Suite, Wily Introscope, Windows Performance monitor, Nmon, Jconsole & Dynatrace. |
| **Operating Systems** | Windows, UNIX |
| **Languages** | C, C++, JAVA/J2EE. |
| **RDBMS** | SQL Server / Oracle / DB2/ MySQL. |
| **Work Flow Tools** | MS-Visio, MS-Excel, MS-Word, MS-PowerPoint |
| **Methodologies** | Agile, Performance Testing |

**EDUCATION**

Bachelors in Computer Science Engineering, JNTU, INDIA .

**KEY PROJECTS EXECUTED:**

**Harvard Pilgrim Health Care, Boston, MA.**

**Project Duration: Jan’2015- Current Date**

**Role: Sr.Performance Engineer**

**ROLES AND RESPONSIBILITIES:**

* Involved in the full life-cycle of the project from requirements gathering to transition and followed methodology.
* Creating and executing scenarios for Focus tests to target key business use cases.
* Developed performance workload distribution test models.
* Created Test Plan/Strategy, which includes Testing Resources, Testing Strategy, Risks and testing of end-to-end scenarios.
* Prepared test Estimations and presented in front of higher management for approvals.
* Created automated scripts by including timers for recording response times, and test checks for confirming the retrieval of the correct page.
* Developed test scripts in VuGen using Web/http, flex, Web Service, Ajax TruClient and Enhanced the scripts by adding checkpoints, functions in C Language, transactions, created parameters, shared Queues Assertions, and performed manual correlation to develop robust scripts .
* Extensively did performance testing of server’s load and scalability by creating multiple Virtual Users by using Load Runner Virtual User Generator (VuGen) component.
* Developed Vuser Scripts by using VuGen and enhanced the scripts with Parameterization, Pacing, and correlation.
* Extensive backend knowledge of Oracle 10g,11g,SOA,JAVA Application Servers.
* Developed Vuser scripts using Performance Center for Web (HTTP/HTML), Flex and Web services protocols based on the user workflows.
* Recorded scripts using Web Services, Web(HTTP/HTML) and TruClient Ajax-Mobile protocols.
* Correlated the dynamically created session data in the load test scripts in VuGen to synchronize with the application.
* Created Various Vuser Scripts based on the Transactions such as Transfer funds, My Accounts, Customer service, Alerts, and pay bills Used by the Real Time users using VuGen of Load Runner.
* Defined and configured SLAs for hits/sec, throughput, transactions per second in Performance Center.
* Identify system/application bottlenecks and work with Bottom-line to facilitate the tuning of the application/environment in order to optimize capacity and improve performance of the application in order to handle peak workloads generated via Mercury Interactive Performance Center tool to simulate activity.
* Used Dynatrace agent based metrics and web tagged requests from headers in LoadRunner scripts to identify bottlenecks.
* Extensively used Dynatrace to diagnose and troubleshoot performance issues.
* Experienced in testing web based applications using JMeter and SoapUI.
* Configured Web, Application, and Database server performance monitoring setup using LoadRunner Controller, Wily Introscope, Splunk & HP Diagnostics.
* Responsible for analyzing the results like CPU usage, memory usage, garbage collection/heap size, server response times, database response times, active/idle threads, size of Weblogic queues, etc.
* Added various monitoring parameters (CPU, Memory) to the Performance Center controller for monitoring.
* Using Performance Center to create scenarios and set up monitors to track load generator for performance testing; Involved in determining scalability and bottleneck testing of applications;
* Analyzing Throughput Graph, Hits/Second Graph, Transactions per second Graph and Rendezvous Graphs using the LR Analysis Tool.

**ENVIRONMENT**: JAVA, J2ee, Java JRE1.7, Weblogic, Web HTTP/HTML, Web Services, XML, VuGen, Performance Center, Load Runner, JMeter, Web services, SoapUI, Quality Center, Splunk, Dynatrace.

**Cigna, Manchester, NH**

**Project Duration**: **Oct’2012-Dec’2014**

**Role: Performance Tester**

**ROLES AND RESPONSIBILITIES:**

* Reviewed the test scripts prepared by the team and the Business User Support group.
* Worked in process development and metrics evaluation for Feature Testing, which involves tracking feature movement for the entire period of Feature Testing cycle. Also worked in metrics and process development Regression Testing cycle.
* Performed Functional testing, Regression testing and End-to-End Testing.
* Create Performance scripts using Load Runner’s VuGen.
* Developed UAT Test Scripts and maintained them in HP Quality Center.
* Parameterized the LoadRunner scripts to access data sheets based on environment like QA, UAT and Production.
* Analyzed the results using Online Monitors and Graphs to identify bottlenecks in the server resources using Load Runner and JMeter.
* Used Load Runner Controller to generate load and monitor the performance under load of the application being tested.
* Monitored and collected different applications metrics like Average Response time, CPU utilization etc using Dynatrace.
* Worked on Logging, recording, issues, tracking and maintaining the defects using Bugzilla.
* Generated the reports using Bugzilla on a daily basis.
* Entered defects in Quality Center and participated in the defect-review calls every day.
* Developed and executed SQL Scripts to verify the Analytics data and the corresponding data displayed in the UI.
* Aided performance modification, managed and resolved technical issues.
* Documented delays and coordinated test results.
* Participated in conference calls with clients and effectively communicated issues, project updates etc.
* Created detailed test status reports, performance capacity reports, web trend analysis reports, and graphical charts for upper management using Load Runner analysis component.

**ENVIRONMENT**: Web HTML/HTTP, Web Services, Messing, Ajax True Client, UNIX, Java, JavaScript, JMeter, Load Runner, Bugzilla, Quality Center, Dynatrace, and SOAP UI.

**Siemens Healthineers, Ann Arbor, MI**

**Project Duration: May’2010-Sept’2012 Role: Performance Analyst**

**ROLES AND RESPONSIBILITIES:**

* Interacted with Business Analyst and application teams to discuss the performance requirements and load test strategy.
* Developed VUser scripts using Web (HTTP/HTML) protocols.
* Used Ramp Up/Ramp Down, Rendezvous point, Start and End Transaction, Parameterization, Correlation features of LoadRunner.
* Used multiple protocols concepts (ODBC, TrueClient, AJAX) to meet the Business Requirements..
* Administered the automated performance testing tools including VuGen, Analysis, Controller and Load Generator.
* Identified testing methodology for load, stress testing based on the business processes and analyzed the business requirements along with Product Manager.
* Enhanced VuGen Scripts by parameterizing the input test data to minimize data caching, unique constraint, and data dependency issue.
* Inserted Rendezvous point into script to instruct Vusers to perform a specific task simultaneously.
* Inserted and configured manual correlation to handle dynamic data into script including unique session value.
* Created manual and automated scenario using LR Controller, setup Runtime settings, configured Load Generator, and assigned number of Virtual Users.
* Configured Ramp Up, Ramp Down, and calculated proper duration of the propose Load test.
* Extensively used HP LoadRunner for Developing Vuser Scripts.
* Created customized LoadRunner VuGen scripts at API level with manual correlation, user defined functions, development libraries (classes and methods), and error handling.
* Conducted memory leak testing for all the applications using LoadRunner and Wily IntroScope.
* Enhanced Vuser scripts by adding correlations, parameters, and checking/validation functions.
* Executed Performance tests using Performance Center.
* Monitored different graphs like transaction response time and analyzed server performance status, hits per second, throughput, windows resources and database server resources etc.
* Analyzed Load pattern and created test scenarios to emulate the real life stress conditions.
* Conducted meetings with developers, application team, and business team to analyze the defects evaluate the test executions.
* Involved in the decision making with the management for final application release.

**ENVIRONMENT**: HP ALM, LoadRunner, Wily IntroScope HP Performance Center, .Net, Windows NT, Java, J2EE, XML, IIS, MS Access, SQL Server.

**Vernon Memorial Healthcare, Viroqua, WI**

**Project Duration: Aug’2009-April’2010**

**Role:Performance Tester**

**ROLES AND RESPONSIBILITIES:**

* Implemented test practices, standards and process.
* Developed script using VuGen Design scenarios and prepare valid data for testing.
* Developed test Scripts in HTML/HTTP, Citrix in VuGen and used HTML and URL based recording to capture the communication between the client and the server using LoadRunner
* Developed LoadRunner scripting using web-http, Oracle EBS, SAP web, SAP GUI, web service environment.
* Setup, gathered and evaluated statistics from all monitors.
* Conducted performance/load/stress testing with LoadRunner.
* Communicated with PM, architects, development teams and business people.
* Extensively used Performance center for executing load tests.
* Worked for performance tuning, optimization and capacity planning.
* Involved in reporting and tracking the defects using Quality Center.
* Conducted tests for baseline, current and future projected volumes and integration.
* Detected bottlenecks and communicated with the developers to optimizing the code.
* Attended team meetings to discuss the issues arising out of testing.
* Analyzed results and report to stake holders.

**ENVIRONMENT**: Web HTTP/HTML, Citrix, LoadRunner, Quality Center, JAVA, Java Script, SAP, Oracle, Performance Center.

**BCBS, NC**

**Project Duration: Aug’2008-July’2009**

**Role: Performance Tester**

**ROLES AND RESPONSIBILITIES:**

* Prepared test plan/test cases, high level scenarios for load testing.
* Implemented test practices, standards and process.
* Gathered documentation for tracking, maintaining, creating and escalating daily issue logs
* Developed scripts using VuGen Design scenarios and prepared valid data for testing.
* Developed LoadRunner scripting using web-http, Web Services, Soap and WSDL environment.
* Enhanced the LoadRunner scripts by parameterization, check points, correlation and by keeping Rendezvous points.
* Conducted volume testing by pulling full production volume of data for various regions from the source to the target system under test and analyzed the performance of the database for potential bottlenecks
* Setup, gathered and evaluated statistics from all monitors.
* Involved in database testing by writing SQL queries and also using data base functions for automation.
* Performed correlation by rightly capturing the dynamic values and parameterize the data dependencies that are always a part of Business process.
* Conducted performance/load/stress testing with performance center.
* Worked with developers, business and release managers in bug fix issues and in meeting project deadlines.

**ENVIRONMENT**: LoadRunner, Quality Center, Windows NT/2000, SQL, Web Sphere, Web logic, Web Services.