**Mir Ahsan Abbas Rizvi**

**510-585-6825**

[**Mir.a.rizvi@hotmail.com**](mailto:Mir.a.rizvi@hotmail.com)

***Senior Performance Test Engineer***

**Professional Summary:**

* Over 7 Years of experience in Software Testing include **Performance** / **Manual** / **Automation** **testing** in **Client-server, web services- SOA, web-based applications** and **Manual Quality Assurance.**
* 6+ years of diverse experience as a Performance Test Engineer/ Consultant with expertise in Performance Testing, **Software Testing Life Cycle (STLC)**, Test Case Development/Automation, Test Scripting in **HP LoadRunner/Jmeter/Oracle Performance Testin**g for Client/Server and Web based applications and services.
* Experience of the full **Software Development Life Cycle (SDLC)** and Methodologies & Validations to ensure the Quality Assurance Control.
* Expertise in **Agile Testing** Methodologies & **Software Test Life Cycle** (STLC).
* Used HP tools **Quality Center** (QC), **LoadRunner**, **QTP**, **Performance Center** and **JMeter** Open source tool for Performance Testing.
* Experience with all LoadRunner components such as VuGen**, Controller, Analysis, Load Generator** and with the components of **JMeter.**
* Worked extensively on **LoadRunner 9/9.5/11.5/12.0v** especially with protocols viz. Web (**HTTP**/**HTML**), **SAP**-**GUI**, **SAP**-**Web**, **Citrix**, **MQ**, **Webservices**, **Ajax**, **Web** (Click & Script), **RTE, Siebel Web, Oracle 2-Tier, Citrix, DB** etc.
* Having expertise in and knowledge of tools such as **HP** **Sitescope**, **CA** **Wily**, **Perfmon,** **Quality** **Center**, **Dynatrace**, **Appdynamics** and **QTP**.
* Knowledge in Installation, configuration, Trouble-shooting and **performance tuning** of **IBM HTTP** Server, iPlanet, **Apache** **Web server, IIS** and Netscape Enterprise Server on different **UNIX** flavors and Windows Platforms.
* Experienced in preparing Performance Test Strategy, Test Plan with Risk Assessments and Test Closure Report.
* Experienced in System Performance Testing Methodologies (**Load**/**Spike**/**Stress**/**Endurance** **Tests**).
* Expert knowledge of Identifying and Analyzing the Bottlenecks in **Performance testing, Web Performance Throughput, Server Response Time** and **Network** **Latency**.
* Using test tools such as **HP** **Load Runner (9.52 and 11.52), ALM, Quality Center, Performance center 11, QTP, HP performance manager, Site scope.**
* Experienced in analyzing scenario results using Load runner Viz. On-line graphs analysis and reporting, network delay, client delay **identification**, **I**/**O** **delays**, **transaction** **time**, **CPU** and **memory usage, miscellaneous, server level issues**.
* Extensively worked on **JVM profiling** and **tuning**.
* Proficient with Performance **Monitoring** & Capacity Planning Tools (HP Site Scope, WILY Introscope, HP Performance Manager).
* Experience in exploring tools and introducing tools involved in monitoring, measuring, debugging, coding and tuning for improved product performance.
* Performed regular testing as test scripts prepare and test execution and analysis of **performance** **progress, defects, risk assessment, impact reports.**
* Performed tests and analysis such as load test, spike test, stress test, endurance test, performance bottleneck test, benchmark test, baseline test etc. using **HP** **Load** **Runner** on web server, application server and database server at different levels and loads.
* Practiced tester of web application running Load Balancers with different types of logic for distributing incoming **HTTP** requests.

**Technical Experience:**

|  |  |
| --- | --- |
| **Testing Tools** | HP Load Runner 8.0, 9.5, 11.0, 11.50, 12.0, HP Performance Center 11.0,11.5, 12, ALM, HP Quality Center, JMeter 2.5, 2.7, 2.8, 2.9, 2.10, SOAP UI and QTP |
| **Languages** | Microsoft C#, C, C++, visual basic, Php |
| **Markup/Scripting Languages** | DHTML, CSS, JQuery, JavaScript, XML, HTML |
| **Web Technologies** | HTML, CSS, jquery, wordpress |
| **Packages** | MS-Office, Adobe Photoshop CS5, Dreamweaver, flash, Illustrator, In Design |
| **RDBMS** | MS SQL, Microsoft Access, SQL Server, Oracle Database |
| **Operating Systems** | Windows 98, 2003 Server, Windows NT/2000/XP. |
| **Monitoring Tools** | Performance Center, Wily Introscope, SiteScope, Dynatrace, Perfmon, HP Diagnostics, Transaction Viewer, Appdynamics, Splunk. |

**Citizen’s Bank, Providence, RI Aug 2013 to Feb 2014**

**Senior Performance Test Engineer**

**Responsibilities:**

* Worked with business, **Product Manager, Developer** and **UAT** audiences. Gathering requirements
* Involve in analyzing the requirements from Business Analyst and determined they are captured correctly and Interpreting Performance test requirements.
* Developed Test plans to ensure accomplishment of load-testing objectives
* Tested application performance across workflows; determined, if the application can perform satisfactorily in a production environment.
* Responsible for creating script creating **Scripting** (**VUGEN**), **Execution** (**Controller**) and **Analysis** / **Reporting**.
* Performed **Baseline, Load** and **Stress** Testing Using LoadRunner and Present Performance statistics to the Team.
* Extensively worked on the **VUGen** script in **Web**, **Mobile** **protocol** and Web services (**SOAP**) Protocol in **LoadRunner**, simulate virtual users and transactions and simulated user think time.
* Involved in creating and maintaining of the projects using **HP Performance Center 9.52/11.52**
* Developed **LoadRunner** scripts using **VUgen** for Single User, Baseline, Soak scenarios by storing dynamically varying objects IDs in parameters and validating correct downloads of the HTML page by validating the content in Sources.
* Developed Test scripts through LoadRunner vugen and Created different Scenarios for each Application, executing them in **ALM**.
* Working on R&D on **Weblogic, Oracle and system side tuning** to improve the product performance.
* Developed, maintained, recommended, documented and suggested supports tools and **backend utilities** to perform performance and **capacity planning management.**
* Measured Response time of the important action of users using start and stop transaction functions.
* Configured **LoadRunner Controller, Load Generator** and **Execute Performance Test** for multiple cycles of test scripts.
* Uploaded **Scripts, Created Timeslots, Created Scenarios, Maintained scripts** and Run the Load Tests in performance Center. Analyzed Test results Response time, Transaction per Seconds and Throughput per graphs.
* Tested using loadrunner for implementing peoplesoft enterprise and build documentation.
* Developed and Implemented load and stress test with LoadRunner, and present performance statistics for the Application Teams.
* Extensively worked on Performance monitoring and analyzed the response time Memory leaks, hits/Sec and throughput graphs.
* Analyzed various graphs generated by LoadRunner Analysis and Communicated bottlenecks to the system administrator.
* Uploaded scripts in ALM Performance Center, Created Time slots, Created Test schedules and maintain scripts. Used Performance Center for Scripts in ALM project and submit defects.
* Added Header with the script and monitoring the script Using **DynaTrace** Client.
* Monitored hardware capacity ensures the necessary resources are available for testing.
* Worked closely with software engineering team members in order to tune and optimize product stability and performance.
* Written Query and identify which queries were taking too long and optimizing those with Database Tuning performance and Worked with Database administrator to index database to improve performance of the Applications.
* Monitored Application Server through Analysis. Analyzed various graphs by LoadRunner Analysis and communicated bottleneck issues to the System administrator
* Used monitoring tool such as **Wily, Dynatrace, HP Performance Center 12, HP diagnostics.**
* Performed Baseline test, stress test and high volume of users using Jmeter and monitored the performance of the load test on the system and measured database response time, Http request, Login and proxy server
* Installed and Configured application through profiling tools such as **VisualVM**, **Jconsole** and Monitored **Linux** resources during the load test finding Bottlenecks and solving the issues on Linux servers using different monitors.
* Monitored resource utilizations such as; **CPU usage %** of Memory occupied in **VM Stat I/O Stat** **JVM**, Thread, System Processing time and latency in Linux Responsible for collecting the frequency **JVM Heap** and Garbage collection cleaned up in **WebSphere** during Test execution Ran Benchmark such as; **CPU**, **Disk, I/O memory** and Graphics tests. **Analyzed Measuring Response time,** **TPS**/ **Throughput** under load through a **LAN** connection for mobile Application. Tracking Network traffic and Server capacity.
* Used Wily Introscope for Performance data for problem solving, trend analysis, and capacity planning.
* Communicated with team members to discuss test reports.
* Installed, Configured and used ClearQuest for defect tracking and reporting.
* Participated in Defects to discuss the bottlenecks and Attended in a walk-through meeting, weekly status meeting and send weekly report status to the manager.

**Environment:** Load runner 12.0/11.5, Performance center 11.5/ALM, Dyna Trace, SiteScope11.20, Web logic 11g, Windows XP, VUgen, Web methods Integration Servers, Windows 2008, Windows Vista, Web applications, HP Performance Center, Portal applications, XML files, Jconsole, SOAP.

**Cincinnati Financial Corporation, Cincinnati, OH May 2011 to Aug 2013**

**Senior Performance Test Engineer**

**Responsibilities:**

* Responsible for Performance Related requirements gathering from the project team and prepare a test strategy document
* Created **Resource Estimates, Test Plan** and **Test Strategy documents**.
* Created and designed the scripts using Load runner depending on the requirements and protocols
* Deployed build to performance testing environment for testing and ran Load/Stress/Endurance test and all Performance related Tests based on the needs and Requirements.
* Involved in performing volume testing based on the production volumes and cycles.
* Responsible for creating the Load Distribution tables for various scripting modules involved.
* Responsible for creating the load scenarios and various runtime configurations for the individual scripts that are part of the load test.
* Performed manual correlation without relying on the auto Correlation or Correlation studio feature of LoadRunner.
* Wrote Scripts on various protocols such as **Web**, **Web** **Services**, **AJAX** and **Ajax** **true** **client**.
* Worked closely with **Business Owners, Architects**, and **Developers** to do pro-active Capacity planning /

Monitoring / Tuning to make sure the applications are scalable and available to the growing business needs

* Drilled down the problematic pages in Analysis to find out where the performance degradation is has been occurring.
* Analyzed all the various performance metrics involved in the test run like **Web** **resources**, **CPU**, **Memory**, **Request** **Analysis**, **DB** **Connection** **Pool**, and **Thread** **Pool** etc.
* Pinpointed the bottlenecks present in different layers of the Application and Identified Memory Leak in the App and made recommendations to overcome the same
* Assisted in application tuning and infrastructure capacity requirements to support high-volume peak periods of traffic.
* Collected different performance metrics from various components of systems, analyzed performance data and presented Test reports to various audience from technical groups to Senior Management and Executives
* Created Performance test completion reports.
* Monitoring, transaction tracing with diagnostic tools (**Wily, Sitescope, HP Performance Manager, Perfmon**) to detect, isolate, and resolve performance issues throughout the technology stack.
* Used **HP Diagnostics** to obtain Performance data for **problem solving**, **trend analysis**, and **capacity planning.**
* Identified system capacity, system scalability and stability under stable load as well as under peak load time.
* Monitor testing through couple of monitoring tools using **Dynatrace**, **Sitescope** and **Wily** **Interoscope** etc.
* Analyzed various graphs while running and after the load test (Running vusers, transaction response time, Throughput, Hits per second, Error statistics and Error description graphs.

**Environment:** Load runner 11.5/11.0/9,52, Performance center 11.00/9.52, Dyna Trace, SiteScope11.20, TOAD, Wily introscope, SQL Server Management Studio, Web logic 11g, Windows XP, Web methods Integration Servers, Windows 2008, Windows Vista, Web applications, Portal applications, XML files, HP Performance Center, CMS

**GameStop, Grapevine, TX Jul 2009 to May 2011**

**Performance Test Engineer**

**Responsibilities:**

* Requirement **Gathering**, **Estimation** Assessments and created **Test Plans** and **Test Scenarios design** for all the releases
* Discussing with the business analyst to find key business scenarios for performance testing.
* Involved in preparing performance test data.
* Used HP LoadRunner to **design**/**develop** performance testing automation scripts, functions, and scenarios, processes based on complex situations.
* Creating and debugging performance test script using **HP** **Loadrunner** 11 **VuGen** Component with Web (**HTTP**/**HTML**), Web Services and Ajax protocol.
* Inserted Transactions, Checkpoints into VuGen Scripts as well as parameterize & correlate the scripts.
* Executed multi-user performance tests using **LoadRunner**. **Monitored** **Controller** through online, real-time output messages.
* Executed **Load**, **Stress** and **Endurance** Testing to simulate a process with over 1000 **Vusers**.
* Involved in preparing performance test plan and defining baseline results.
* Involved in **creating** and **debugging** the scenario in Controller.
* Setting up the **schedule**, **scenario** **configuration** and **running** the scenario.
* Diagnosed Memory leakage/Garbage collection on HP Diagnostic.
* Performed problems/bottlenecks identification. Recommended remediating those using HP Diagnostics.
* Involved in configuring Site scope Monitors (**Web logic domains, clusters & DB Connection pools**) to LR controller scenario.
* Analyzed test results using HP Load Runner Analyzer tool on-line graphs and reports and looked for **performance delays, network or client delays, CPU performance, I/O delays, database locking, or other issues at the database server.**
* Executing the performance test scripts and logging the performance defects in HP Quality Center.
* Comparing the results to baseline and providing the results comparison chart to the development team.
* Following up with development team for defect fixes and avail them a re-execution.

**Environment:** LoadRunner 9.5/11.0, SAP ECC 6.0 and Web (HTTP/HTML), HP Quality Center (ALM), HP Sitescope

**Client: Home Depot, Atlanta, GA April 2007 – June 2009**

**Role: Performance Analyst**

**Responsibilities**

* Involved in gathering business requirements, studying the application and collecting the information from developers, and business.
* Prepared the Test Plan and Test Cases based on the functional specifications.
* Used Virtual User Generator to generate VuGen Scripts for web (HTTP/HTML) and web services protocol.
* Ensured that quality issues are appropriately identified, analyzed, documented, tracked and resolved in ALM.
* Advance expertise in designing, coding, and enhancing performance test automation.
* Lead estimation process and status reporting for complex performance testing projects/efforts
* In collaboration with QM teams and other project members, developed and designed performance test strategies and approaches for complex applications and development projects.
* Provided technical expertise regarding tools and processes for performance test automation.
* Executed test and monitor system performance SiteScope, LoadRunner Controller.
* Collaborate with Architects, developers and QA Analysts to plan, to develop Performance Test Plan, Test Strategy and Load Profile.
* Identified performance Bottlenecks and assist development team with resolution.

**Environment:** LoadRunner, Performance Center, Silk, SiteScope, Oracle , Citrix, MS SQL Server , Weblogic, Load Balancer, .NET applications, JAVA , Quality Center, J2EE Diagnostic Tool , web, Windows 2000/XP ,HP-UX