**Sikender Reddy**

[kareesikender@gmail.com](mailto:kareesikender@gmail.com)

(732)-638-9789

Professional Summary

* Analytical, talented and Multi skilled with Over Seven years of IT experience as Performance Test Engineer/ Sr. Performance Analyst.
* Extensive experience with HP Load Runner tool for monitoring, testing of Web based as well as client Server systems on multiple platforms such as in **.NET, Java, SQL**.
* Developed **Scripts** to meet load-testing requirements according to the **SLA** (Service Level Agreement) agreed upon.
* Excellent working knowledge in Developing & Implementation of complex **Test Plans, Test Cases and Test Scripts** using automated test solutions for Client/Server and Web-based applications.
* Expert in developing Work load Model for performance testing.
* Enhanced Vuser script in Load Runner with **Parameterization, Correlation, Transaction point, check points.**
* Excellent knowledge of software development and testing life cycles, **SQA methodology and test process documentation.**
* Setup load/performance testing environment using Load Runner.
* Experienced in **Performance, Load, and Stress Testing.**
* Developed Vuser scripts using **Web (HTTP/HTML), Ajax TruClient and Web Services protocol.**
* Experience in understanding **Business Process** from the requirements.
* Extensive experience with **Load, Stress** and Performance testing using Load Runner and developed **Vugen test scripts**.
* Expert in finding performance **bottlenecks** both in client side and server side and making recommendations for **Performance Profiling or Tuning**.
* Expert working on application performance and maximum scalability, critical parameter such as **number of users, Response times, hits per seconds (HPS) and Throughput** using Load runner.
* Good knowledge on Monitoring tools like **HP Diagnostics, HP Sitescope, Dynatrace**
* Have knowledge on **Wily Introscope.**
* Good experience in finding issues at the **application code level** using **Dynatrace**
* Expert in finding the **reasons for High Response Time.**
* Experience on working with **JMeter** for load performance testing.
* Proven ability to check **Network Bottlenecks** using **Vuser Graphs**.
* Expert in Analyzing results using **HP Load Runner Analysis tool** and analyzed Oracle database connections, Sessions, Log files.
* Expertise in writing reusable modular scripts for automation testing for various Business Applications like **Banking& Finance.**
* Comfortable with various Industry Leading Operating systems **(Windows NT/98/95/2000/XP/Vista/Windows 7 and UNIX).**
* Experience in Installation and Configuration of **Software and Hardware** in testing environment.
* Excellent inter-personal abilities and a self-starter with **good communication & presentation skills,** problem solving skills, analytical skills and leadership qualities.
* Experience in coordinating **on shore and off shore** resources.

**Education:**

* B.tech in computer science from Jawaharlal Nehru Technological University (JNTU), Hyderabad.

**Technical Skills:**

|  |  |
| --- | --- |
| Testing Tools | HP Load Runner tool, JMeter, Quality Center, Performance Center, HP Diagnostics, HP Sitescope, DynaTrace, Wily Introscope |
| Languages | Java, J2EE, SQL, PL/SQL, C, C++ |
| Build Tools | Ant, Maven, Jenkins, Hudson |
| Database | MySQL, DB2, Oracle, SQL Server, Sybase |
| Web Technologies | HTML, VBScript, JavaScript |
| Environment | Windows7/2003 server/95/98/NT/00/XP, UNIX, Soap UI |
| Communication | MS-Outlook2003, MS-Office |
| Others | Edit Plus, Junit, TestNG, SVN, TOAD, SQL Developer |
| PL/SQL | Oracle PL/SQL |
| Browsers | IE 8/9/10/11, Firefox, Chrome, Safari |

**Professional Experience:**

**Chubb Insurance, Warren, NJ** May 2014 - Present

**Performance Test Engineer**

**Roles and Responsibilities:**

* Involved in gathering business requirements, studying the application and collecting the information from developers, and business analyst.
* Communicate and co-ordinate with offshore team and guide them in understanding the test requirements and test executions.
* Provide project estimates and expected deliverables.
* Discuss the load test criteria with the application project team obtain performance test requirements.
* Provide **testing strategies** and planning.
* Obtain test scenarios and current user levels for the project team.
* Create a load profile for the application under test.
* Validate possibility of the tool(Load Runner) compatibility towards the application under test
* Capture the protocol communications done in a workflow. Use combination of protocols to if necessary for scripting.
* Create a **Test Design**.
* Involved in talking to different teams to solve any functionality issues.
* Developed, enhanced and applied different logics in the **Vugen scripts**.
* Developed **Scripts in HTML/HTTP, web services for Load runner**.
* **Parameterized** large and complex test data to accurate depict production trends.
* Used **Ramp Up/Ramp Down, Rendezvous point, Start and End Transaction, Parameterization, Correlation** features of Load Runner.
* Emulated the real world scenarios for the identified business scenario.
* Executing **sanity tests** to validate the scripts and test environment.
* Executing **Scalability test** with **200% user load**.
* Run tests and analyze results to identify **bottle necks**.
* Used **Dynatracemonitoring tool** to indentify component/code level issues apart from monitoring server health.
* Analysis of **cross results, cross scenarios, overlay graphs and merging different graphs**.
* Document and publish test results to the project team.
* Analyze Load Runner metrics and other performance reports in **application server level**, **database level** and generated various reports.
* Monitoring the **Client Side Metrics**.
* Analyzed the server resources such as **Available Bytes** and **Process Bytes** for **Memory Leaks**.
* Generated Performance Test plan in order to Execute Performance Testing Using Load runner
* Used monitoring tools to analyze the **heap memory** statistics for identifying **memory leaks**.
* Analyzed software specifications and technical service description documents.
* Performed **Load testing, Performance testing** and **Stress testing** using Load Runner version 11.52.
* Designed Performance test scripts using Load Runner 11.52, ran Stress test, analyzed the results.
* Responsible for creating the **System Performance Graph** from the results of the incremental (user load) stress tests to determine the **scalability of the system, response time** at the desired **throughput** and the **system break point** (knee of the curve).
* Analyzed 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.
* Worked on **Throughput, Hits per seconds, Network delays, latency, and capacity measurementsand reliability tests** of on multi- layer architecture.
* Troubleshoot issues and identify root cause of failures. Fine tune the application with the help of technical architects and middle tier until it meets the performance and business acceptance criteria.
* Actively participated in QA team meetings and walkthroughs for weekly QA testing review meeting.
* Actively participated in **Defect Review meetings** involving Test Coordinator, Developers, Business Analysts and Project Managers to report the status of defects to the management.
* Defined the **Test Engagement Process** for new application launch and maintenance releases.
* Prepared Test Plan that provides a detailed list of conditions under which the system will be tested.
* Prepared various documents like Test Scenarios, Test Analysis Report, Defect Report and User manual were created using MS Word and MS Excel.

**Environment:** Load runner 11.52, performance center 11.52, Wind XP Professional, Dynatrace

**Elavon, Atlanta, GA** June’2013 – May’2014

**Performance Tester**

**Roles and Responsibilities:**

* Assisted the team lead in the preparation of the Test Plan and Test Strategy documents.
* Responsible for Load Testing Co-ordination with various other projects involved in load testing activity.
* Developed **Scripts in HTML/HTTP for Load runner**.
* Analyzed Performance Bottlenecks using **Load Runner Monitorsand HP Site scope.**
* Also involved in Vuser Setting for different scenarios and business processes in Controller and analyzed graphs to find out the performance of the system.
* Presenting the results to the team and analyzing the bottle necks and resolving the issues from their end.
* Responsible for scheduling the Load tests using HP Performance center involving a variety of **load scenarios combination**.
* Using Load Runner, execute **multi-user performance tests**, used online monitors, real-time output messages.
* Executed different Scenarios for different applications in controller and created Load Runner Analysis Reports and Graphs.
* Interacted with developers during testing for **identifying memory leaks, fixing bugs and for optimizing server settings at web and App levels.**
* Analyzed results using HP Load Runner Analysis tool and analyzed sessions and log files.
* Responsible for generating and publishing Load Test Results and publishing the results in share point.
* Worked closely with development team to narrow down defect reproduction cases and scenarios.
* Responsible for performance monitoring and analysis of **response time & memory leaks using throughput graphs.**
* Responsible for **configuring and installing the Performance center** Infrastructure for executing and scheduling the load tests.
* Gathered user requirements and designed the **Test Plans and Test Scenarios** accordingly.
* Simultaneously worked on different project using **JMeter** for designing and developing test scenarios, test scripts as well as integration solutions.
* Worked with **JMeter** in stimulating load on the servers to check performance of different load types.
* Uploaded all the performance scripts, reports and documents to HP QC. Detected defects and classified them based on the severity in **Quality Center** along with screenshots.
* Analyzed the **server resources such as Available Bytes and Process Bytes for Memory Leaks**.
* Interacted with developers to **Report and Track Bugs** QC.
* Analyze, interpret, and summarize meaningful and relevant results in a complete Performance Test Report.
* Interacted in Daily standup meetings with the Management and report day-to-day activities and updates.

**Environment:** Load Runner 11.52, Jmeter, Quality Center, Agile, Performance Center, HP Site Scope

**Carestream Healthcare, Rochester, NY** Oct’2011 – May’2013

**Sr. QA Test engineer**

**Roles and Responsibilities:**

* Involved in developing the scripts to check the Servers connectivity.
* Importing the **WSDL’s** and performing the unit tests using the **SOAP UI project**.
* Worked with business analyst in gathering the requirements and the SLA details from the client.
* Developed Load Runner test scripts according to test specifications/ requirements.
* Involved in full life-cycle of the project from requirements gathering to transition using **Agile Methodology.**
* Develop and implement **load and stress tests** with Load Runner, and present performance statistics to application teams, and provide recommendations on how and where performance can be improved.
* Developed and enhanced scripts using Load Runner VuGen and designed scenarios using Performance Center to generate realistic load on application under test.
* **Logging defects in QC** and updating test cases with respective defect ids.
* Coordinated with Functional Teams to Identify the Business Process to be Performance Tested.
* Inserted Transactions, Checkpoints into Mercury Load Runner Web VuGen Scripts and **parameterized & correlated the scripts**.
* Monitor and administrate hardware capacity to ensure the necessary resources are available for all tests.
* Customized scripts for error detection and recovery.
* Worked in shared environment and tested different applications.
* Independently executed the Mercury Load Runner test scenario, analyzed the execution statistics by monitoring the online graphs.
* Involved in planning and coordination effort throughout **QA life cycle**.
* Designed tests for **Benchmark and load testing**.
* Ability to diagnose Web/App server performance issues/troubleshooting using Load Runner **J2EE Diagnostics/Deep Diagnostics**.
* Worked with Load Runner in analyzing application performance for varying loads and stress conditions.
* Responsible for the generation of the Load Runner Analysis files based on the Load Runner
* Results file generated by the load test and filtering the analysis file data based on the durations required.
* Generated detailed test status reports, **performance reports, web trend analysis reports, and graphical charts** for upper management.
* Assisting the QA Lead with administrative tasks such as meeting notes, defect database clean up.
* Provide daily/weekly application availability reports to the management.

**Environment**: Load Runner 11.5/11, HP Performance Center, Layer 7, WebLogic App Server,XML, Web Services, Oracle 10g/9i, SharePoint, Windows 2000/XP.Vista.

**Erie Insurance, Erie, PA** Nov’ 2010 – Oct’2011

**Performance Engineer**

**Roles and Responsibilities:**

* Conducting the **Load, Stress** and Performance testing using Load Runner and developed test scripts.
* Attended periodic meetings for changes in the application requirements and documents and implemented procedures for test changes.
* Developed Test Scripts using Load Runner for **automation of Regression testing** and verifying the web applications expected behavior at different stages by inserting various Checkpoints.
* Work closely with software developers and take an active role in ensuring that the software components **meet the highest quality standards**.
* Generated customized reports for testing the performance of various transactions by developing various **user-defined functions** as well as Load Runner functions.
* Extensively used Load Runner using Virtual User Generator to script and customize performance test harness **Web Protocol**.
* Successfully Completed **User Acceptance Testing** (UAT) on each release of the project with the help of end user requirements.
* Well versed with the behavior of online monitors and the techniques to fix monitoring issues and monitoring Vuser status.
* Used Performance monitor to analyze the **% CPU Usage, Memory and Requests per Second** for each Scenario.
* 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.
* Analyzed Mercury Load Runner 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.
* Used Test Results to provide summary reports, response times and monitor averages.
* Document problems in **tracking tool** and retesting software corrections to ensure problems are resolved.
* Validated the scripts to ensure correct execution and meets the scenario description.
* Verified that new or upgraded applications meet specified performance requirements.
* Designed Test Case documents for Performance testing in **Quality Center and report defects**.
* Generated scripts in Vugen as per given SLA by giving **pacing** between iterations to get the desired transactions per hour.
* Determined the source of bottlenecks by correlating the performance data with end-user loads and response times.
* Interacted in Daily standup meetings with the Management and report day-to-day activities and updates.

**Environment:** Quality Centre,Load Runner 11, Wind XP Professional, SQL server 2005, SQL server 2008, JIRA, Test link, Web browsers (Chrome32, IE9, Safari).

**Four Soft, Hyderabad, India** May’2009 –Oct’2010

**Performance Engineer**

**Roles and Responsibilities:**

* Involved in planning and coordination effort throughout **QA life cycle**.
* Responsible for **designing load test strategies** based on the environment activity.
* Responsible for estimating the concurrent users for the load test based on the Transactions/sec that is seen in production.
* Responsible for creating test scripts using Load Runner using various protocols including **web (HTTP/HTML)**
* Responsible for setting up the Load Runner Agents in the load testing set up.
* Conducted Load and volume testing of various **SAT transactions.**
* Responsible for data creation/seeding and data loading for the AUT.
* Responsible for creating Load Test scenarios based on the load testing scripts that are to be loaded.
* Responsible for **identifying the counters** that needs to be added onto the scenario for data collection from analysis perspective.
* Monitored the **Available bytes graphs** that would give an idea as to the Memory leak if any present in the system.
* Responsible for migrating the necessary stored procedures and other database stuff that is needed by the **Load Test database**.
* Used Performance center for designing and executing the Load Tests.
* Responsible for installation of **Quality Center with SQL Server database** and creating user profiles for users.
* Used Quality center for planning and tracking the testing resources.
* Used **HP Deep dive Diagnostics** for figuring out various **Application bottlenecks**.
* Involved in Database testing by writing **SQL queries, testing triggers and PL/SQL procedures.**
* Involved in setting up the test data for the individual modules for the load test.
* Worked in association with the DBAs in making sure that the databases are re-pointed to the original environments once we are done with the environment for the load test in question.
* Responsible for filtering the analysis file data based on the durations required.
* Generated detailed test status reports, performance/capacity reports, web trend analysis reports, and graphical charts for upper management.

**Environment: Load Runner 7.5, HP Performance center 9.x, SAP Portal, BEA WebLogic, QTP, Web load, HP Deep dive diagnostics, Win Runner 7.5, Mercury Quality Center, Quick Test Pro, Oracle 8i, HTML, DHTML, Windows NT.**

**Ventura Soft, India** Jan’2008 – May’2009

**QA Performance engineer**

**Roles and Responsibilities:**

* Preparation of Test Presentation on the existing system, which details the Test Processes and Testing Technologies to be implemented.
* Creation of scripts using LoadRunner
* Executing multiple scripts in controller and Performance Center.
* Involve in preparing the **Test Plan and Test Cases** in Rational Test Manager.
* Help the users in performing User acceptance test.
* Maintain **Test Logs, Test Summary reports** and participated in **status Meetings**.
* Review of Test Scripts and Execution of Test Scripts.
* Preparation of **Test status** and **defect reports.**

**Environment: Load Runner 6.02 Environment, IIS Server, MS Transaction Server, SQL Server, Windows NT 4.0**