SAI RAJ

PERFORMANCE ENGINEER

Email id: [raj.chintala9@gmail.com](mailto:raj.chintala9@gmail.com)

Ph number: 571-494-0392

**PROFFESIONAL SUMMARY**

* **6+ years** of diversified experience in Software testing and quality assurance. Exposed to all phases of Software development life cycle and Software Testing Lifecycle. Possess strong Expert in server side monitoring, and test result analysis using **DynaTrace, AppDynamics, SiteScope** and **CA IntroScope** to identify performance bottlenecks.
* Experience in monitoring Web Servers and Application Servers such as **Microsoft IIS, web logic, Web Sphere** and **Database Servers** such as **SQL Server** and **Oracle** during the Performance Test with and without firewalls.
* Extensive experience using Load Runner for Performance Testing, Stress Testing, Longevity Testing and Regression Testing.
* Experience in designing multiple Load Runner Scripts(**vu Gen**) with different protocols like Web(**Http/html**), **Ajax**, Web services for load testing different applications.
* Extensive experience in Load testing various applications including .**Net, J2EE, CRM Business objects and citrix** implementations.
* Expertise on Web Services and experienced in using **SOAP UI** for testing of **SOA** environment.
* Extensive experience in automated testing of Web based & Client/Server applications, and web-services with proficiency in Load and Performance Testing.
* Experienced in conducting Functional, Integration, Performance, Regression, Load/Stress and Assurance testing using automated tools including Load Runner and Quality Center.
* Used Ramp Up/Ramp Down, Rendezvous point, Start and End Transaction, Parameterization, Correlation features of LoadRunner.
* Extensive experience in analyzing business and functional requirements, development and execution of Test Plans, Test Scripts and Test Cases.
* Experience in Creating and Enhancing scripts, Executing Tests and Analyzing results using Load Runner.
* Familiar with **AppVance, JMeter, Neoload, IBM Heap & Thread Analyser, JVisual VM**
* Extensive knowledge in creating test plans, performing and tracking **SIT, UAT and regression testing**with hands on experience on **QTP.**
* Displayed exceptional business writing, test case writing and documentation skills and facilitated and conducted **JADsessions** with the technology areas, interviews, written correspondence, reports, implementation requirements, project status reports, oral presentations and emails.
* Proficient in Quality statistical tools, **FMEAs**, **APQP** and creating test plans, performing and tracking **SIT, UAT.**
* Very good knowledge of Fiddler in manually composing the request and monitor the client network traffic.
* Extensive experience in Quality Assurance Methodologies and strategies with better understanding of Software Development Life Cycle(SDLC).
* Experience in Planning and Translation of Software Business Requirements into test conditions; execution of all types of test and identification as well as logging of Software bugs for business process improvement.
* Good exposure in GUI, Business Testing, Functionality Testing, Manual testing, White Box testing, Black box testing, System testing including Intergration, Performance, Stress, Load and Regression Testing of Web and Client/Server based applications and UAT using automated testing tools like Load runner and Quality Center/Test Director.
* Experience in creation SQL queries for data validation and DB testing
* Experience with working in fast paced environments and cross functional teams under minimal supervision by demonstrating superior **communication and problem solving skills**, while paying high attention to detail

**TECHNICAL SKILLS**

**Testing Tools :**Web Services, Citrix Virtual User(ICA), ODBC, Java over HTTP Vuser, Imap, SMTP,POP3

**Requirements Management :** Microsoft Excel, Test Director, Quality Center.

**Databases :** Oracle8i/9i/10g, SQL Server 2000, My Sql, MS- Access, File Maker Pro, DB2 8.1, Sybase, teradata and TOAD.

**Web Testing :**Browser-Side Test, Page- Layout, Hyperlink, Data Validity and Cross-Browser Compatibility testing side

**Database Testing :**Transaction Testing, Data Mapping/ Data Conversion, Stress, Volume, Performance, Load Testing and Data & File Validation

**Operating Systems :** Windows 10, 8, 7, Windows Vista/XP/2000/2003/NT/98, UNIX,MSDOS, Mac OSX and Linux

**Web Applications :**HTML, DHTML, XML, CSS

**Office Tools/Text Editor :** SnagIt, Filezilla, Ultra Edit, Edit, M.S Office, M.S. Vision, Word Perfect, Share point.

**WORK EXPERIENCE**

**DaVita, Nashville, TN**

**Sr.Performance Test Analyst Nov 17 – Present**

DaVita Kidney Care is a division of DaVita HealthCare Partners Inc., a Fortune 500(r) company that, through its operating divisions, provides a variety of health care services to patient populations throughout the United States and abroad. A leading provider of dialysis services in the United States, DaVita Kidney Care treats patients with chronic kidney failure and end stage renal disease. DaVita Kidney Care strives to improve patients' quality of life by innovating clinical care, and by offering integrated treatment plans, personalized care teams and convenient health-management services.

**Responsibilities:**

* Prepared Test Automation Project Milestones and deliverables, performance test plan and Project Schedule.
* Created and executed scenarios that emulated typical working conditions using Load Runner VuGen.
* Using LR analysis analyzed response times of various transactions and identified applicaion bottlenecks using the monitors on application server, database and the network.
* Planned the load by analyzing Task distribution diagram, Transaction Profile and User profile and executed Performance Testing using Mercury Load Runner.
* Conducted performance testing and analyzed various graphs agains product requirements.
* Changed the runtime settings such as pacing, Think-time, Log settings, browser emulation and timeout settings in LoadRunner VUGEN and controller to simulate the real scenario.
* 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.
* Performed Web services testing using web services protocol and generated Automation Test scripts using LoadRunner, & Neoload.
* Used DynaTrace agent based metrics and web tagged requests from headers in LoadRunner scripts to identify bottlenecks.
* Responsible for setting up and maintaining SiteScope monitors.
* Involved in development of Introscope consoles, metric groupings, monitoring, alerting in CA Introscope.
* Monitored and collected different application metrics and server metrics using Appdynamics.
* Used Load Runner Online Monitors and Graphs to identify bottle necks in the server resources.
* Using Load Runner analysis component created detailed test status reports, performance capacity reports, web trend analysis reports and graphical charts for upper management.
* Interpreted test results, documented and tracked defects using Quality Center, issues, and problems with completeness and accuracy.
* Configured Web, Application, and Database server performance monitoring setup using Load Runner Controller.
* Involved in status reporting, project meetings and project planning with the team, modification of reports and preparation of schedules for meeting the deadlines.
* Coordinated and collaborated with Developers, Production support team, Project Management folks and Requirements Analysts to resolve issues.

**Environment:** Load Runner 12.5/12.0, VuGen, Neo load Controller, DynaTrace, Analysis, SoapUI 4.0, SQL Server, C#, .Net,C++,XML,Quality Center, and Web Services.

**AIG ,Nashville, TN**

**Sr.Performance Tester Mar 2016 – Oct 2016**

The overall objective of the One life project is to streamline system operations and eliminate redundancy in the multiple systems that exist between AGL and AGLA. This project involves conversion of all the policies from admin systems like CFO and CYL to AGNIS. This includes testing of SAP FI module to ensure that the functionality of the converted policies in the AGNIS systems works as expected.

**Responsibilities:**

* Analyzed user requirements, setup test environment, prepared test strategy and test cases.
* Understanding the application under test, writing test plan, defining test strategy, coming up with test matrix and developing scripting.
* Involved in Unit, functional, Stress, and Performance testing of different Menu options (Front End Customer Screens).
* Involved in creating Test Plan and running billing jobs for different Bill Cycles.
* Using Test Scripts updated Billing Account Numbers (BAN) profile information, change of address, refunding deposit, modifying the price plans.
* Involved in testing of order entry, billing modules of the application.
* Designed performance test suites by creating Web (GUI/HTTP/HTML), workload scenarios, setting transactions. Extensively used VuGen to create Load Test Scripts for J2EE based application.
* Developed Web service scripts by .Net Explorer and Java Explorer to cover Interfaces load.
* Validated &Tested XMls using SOAP UI & perl scripting.
* Developed and deployed test load scripts to do end to end performance testing using LoadRunner and tuning
* Created Load Runner scenarios and scheduled the Virtual Users to generate realistic load on the server using HP Load Runner (Load generator machine).
* Good understanding of assigning test checks, rendezvous points, parameterization, and correlation (capturing dynamic values like session id's /cookies) irrespective of the application.
* Performed correlation by rightly capturing the dynamic values and parameterize the data dependencies that are always a part of Business process.
* Worked on Controller to simulate explicit Real-Time scenarios by using accurate Run time settings and using IP Spoofing, WAN Emulation etc.
* Developed scenarios for Performance testing, which covers more than 95% of the Critical scenarios for the application.
* The Average CPU usage, Response times, No of Transactions, Throughput, HTTP Hits and Average Page times are analyzed for each scenario and used Silk Performer Performance explorer graphs to analyze the CPU and Memory utilization for different load tests.
* Interacted with Stakeholders during testing, isolated bottlenecks at different levels and suggested Tune-up methodology.
* Monitored Backend systems for resource utilization parameters using Silk performer server monitor and Monitored middleware parameters using Tivoli viewer
* Executed and analyzed the test results, compared the Response times over Load and correlated the resource statistics, for identifying involved bottlenecks if any.

**Environment:**Windows 2007, Hp-Unix, Linux,Oracle 8.i & 9.i, SQL, Sybase, MS SQL Server, people soft, .Net, biztalk, WebServices, XML, Loadrunner 12.0/11.5, Vu gen, Mercury Performance Center, JAVA,J2EE, Citrix, Test Manager.

**The Boeing Company, Kansas, MO. Sep 2015 – Feb 2016**

**Load Runner Engineer**

Delivery of maintenance support data to customer is a key requirement in airplane delivery for any aircraft manufacturer. The current process at client for creating and customizing the support data to customer is manual by collating data from various authoring systems. Also, in the current context support data delivery to airline customers happens through physical delivery of CD-ROMs. Client is palling to launch a new commercial aircraft wherein client wants to automate the support data creation and customization process for different customers and deliver support data online to the customers. Client is implementing a new integrated framework which involves data integration between various authoring systems that generate the data and presentation layer systems from which end user can access the documentation online.

**Responsibilities:**

* Prepared Test plan and Test specifications based on Functional Requirement Specifications and System Design Specifications for ecommerce application.
* Executed scenarios using HP Performance Center and analyzed the results through Performance Center Analysis to find the bottlenecks in networks and server resources including deadlock conditions, database connectivity problems and system crashes under load.
* Parameterized actions and created files using random, sequential and unique options in **VUGen**.
* Developed Virtual User Scripts using protocols like **Web (http/html), Web Services, .Net, Oracle NCA.**
* Reviewed and analysed Web Services contracts, **WSDL, XSD** and **XM**L files.
* Used Correlation to handle the Dynamic return values and scheduled the test under work load compositions.
* Developed load test scripts using **VUGen** to make them flexible and useful for Regression testing.
* Configured monitors to monitor performance of individual Hosts behavior on load.
* Created scenarios using **HP Performance Center** to do Load and Stress test.
* Analyzed the results and Created Analysis Report through **Performance Center Analysis**, prepared and submitted Exit Report with Recommendations.
* Analysed the system resource graphs, network monitor graphs and error graphs to identify transaction performance, network problems and scenario results respectively.
* Enhanced **Vuser scripts** with transactions, functions, parameterization and correlation.
* Measured the response time at different points in the application using Site Scope monitoring tool.
* Configured **Web, Application**, and **Database server** performance monitoring setup using **LoadRunner Controller** and **HP** Site scope.
* Build and execute **SQL queries** to verify the data updates to various tables and ensure data quality and integrity.
* Created detailed test status reports, performance capacity reports, web trend analysis reports, and graphical charts for upper management using Load Runner analysis component.

**Environment:** Agile Methodology, .NET, IIS 6.0, Oracle, UNIX,

**Tools:**LoadRunner (9.10/9.51), HP Site scope, Quality Center, Test Creator

**Protocols:** Oracle Web Application, ODBC, Web Http/HTML.

**Nationwide Insurance, Columbus, OH**

**Performance test Analyst**  **Nov 2014 – July 2015**

FOCUS Finance Performance Test is to simulate a realistic future production usage of the Nationwide Planning and Allocations solutions to confirm that the applications will meet the organizations needs and requirements. Conducted Application Performance and functional Testing on the following applications: Hyperion Budget Application, Hyperion Planning Applications (PCIO, Scottsdale, NSC), Internet Salary Planning Tool and Internal Product Planning tool and PeopleSoft ERP/General Ledger, Hyperion Reports.

Responsibilities:

**Responsibilities:**

* Performed performance testing of the application using Load Runner, using all three Load Runner components VuGen, Controller and Analyzer.
* Designed multiple Load Runner scripts (VuGen) using different protocols like Web, Siebel, Citrix and Web services for load testing different application and analyzed performance results.
* Involved in performance testing of server’s load and scalability by creating multiple Virtual Users by using Load Runner Virtual User Generator component.
* Used Load Runner Controller to generate load and monitor application performance under various load.
* Configured Web, Application, and Database server performance monitoring setup using Load Runner Controller.
* Ran full formal performance test including Peak, Breakpoint, Burst, Longevity and Failover.
* Created detailed test status reports, performance capacity reports, web trend analysis reports, and graphical charts for upper management using Load Runner analysis component.
* Documented the requirements, Test cases and logging defects using Quality Center.
* Conducted integration, functionality, performance, stress, and load testing of the AUT using QTP, Load Runner, JIRA and Quality Center testing tools.
* Extensively used SQL queries for verifying data in database.
* Attended meetings with Developers, and Team Leads for quicker defect resolution.
* Actively participated and provided feedback in a constructive and insightful manner during daily Stand up meetings and weekly Iterative review meetings to track the progress for each iterative cycle and figure out the issues.

**Environment:** Quality Center, Java, JSP, WebServices, Servlets, Windows 07/08/2000/NT, SQL-Server, Web Logic, HP-UX, Oracle, TOAD, JIRA, Solaris ,QTP 9.0, Load Runner, Controller,VuGen,Citrix.

##### **ISTA,Atlanta,GA. May 2012 – Oct 2014**

##### **Performance Tester**

##### Ista delivers the most innovative, cost-effective, reliable and flexible solutions through powerful technology platforms that support and enable our customers’ operations. Our sophisticated technology, experienced people and innovative solutions are easily adaptable and make ista the ideal service provider for energy companies of any size. We offer Electronic Commerce, EDI, CIS and Billing Solutions.

**Responsibilities:**

* Analyzed Business Requirement Documents (BRD), Functional Required Document and entered all requirements in Quality center’s Requirement tab to verify the Requirement Traceability Matrix
* Independently developed LoadRunnerVugen scripts according to test specifications/requirements to validate against Performance SLA
* Executed multi-user Performance tests, used online monitors, real-time output messages and other features of the LoadRunner Controller,Vugen,Analyser.
* Analyze, interpret, and summarize meaningful and relevant results in a complete Performance Test Analysis reports
* Develop and implement load and stress tests with HP LoadRunner and present performance statistics to application teams, and provide recommendations of how and where performance can be improved
* Monitored Average Transaction Response Time, Network Data, Hits per Second, Throughput, and Windows resources like CPU Usage available and committed bytes for memory
* Verify that new or upgraded applications meet specified performance requirements
* Participate in all meetings planned for particular release and obtain necessary technical requirement and such meetings includes, design review, test execution timeline etc.
* Understanding the change thoroughly and if necessary contact related business analyst, developer and other SME’s
* Analyzed results and provided Developers, System Analysts, Application Architects and Microsoft Personnel with information resulting in performance tuning the Application
* Defects were tracked in Quality Center and communicated with clients
* Tests using Load Runner, Monitor system under load using in-house tools and in conjunction With Capacity Planning
* Configure all necessary hardware and software to support Load Runner.
* Exposure in designing and maintaining SharePoint Site.
* Worked in Quality Process - Preparing the Monthly Quality Reports, Benchmarking Reports.
* ISO Performed monthly reviews & followed the process defined for ISO purpose.

**Environment:** Windows server, HP-Unix, HIS 4.0/7.0,websphere,Web services, Load Runner, ALM/ HP diagnostics Server.

**EDUCATION QUALIFICATION**

Jawaharlal Nehru Technological University, Kakinada, India

Bachelor of Technology, Electronics and Communication, GPA: 3.50