**Varun Tatikonda**

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**PROFESSIONAL SUMMARY:**

* Around 9 years of Quality Assurance experience as a “Performance Testing Engineer” with strong expertise in Performance/Load & Stress Testing using HP LoadRunner, Performance Center and LoadUI.
* Proficient in Creating and Enhancing scripts, Executing scripts and Analyzing Performance results using LoadRunner.
* Proficient in Recording, correlation, Parameterization, and debugging of LoadRunner scripts using LoadRunner.
* Strong skills using, installing, and configuring all components of Load Runner 11.5 including VUGen, Controller, Analysis, and Load Generators.
* Experienced in scheduling and running many variations as needed of load tests of the target application, varying parameters such as the number of users, the speed of ramp up/ramp down of users, and simulated user think-time and pacing.
* Proficient with using Web, Flex, Web Services, Ajax TruClient, Citrix, Winsock, and Database protocols in LoadRunner .
* Experienced in Performing load testing of Web applications using JMeter tool
* Extensive experience in automated testing of Web based and Client/Server applications with proficiency in Load and Performance Testing. Good working experience in Agile Scrum, Waterfall and Iterative methodologies.
* Experience in analysis, design, implementation, execution, maintenance, support and documentation for system testing.
* Proficient in Creating and Enhancing scripts, Executing Tests and Analyzing Performance results using LoadRunner, Wily Introscope, SiteScope, , HP Diagnostics, GUI dashboard and Performance Center.
* Significant experience in Load testing various applications including JAVA, J2EE, .Net, WebSphere, Web Services and Citrix implementations.
* Extensive experience using LoadRunner and HP Performance Center for Performance Testing, Load Testing, Stress Testing, Longevity Testing and Regression Testing.
* Expertise experience in Non-Functional Specifications, Test Planning/Strategy, test Estimates, Use Cases, Business Requirements, Business Rules to prepare Test Schedules, identify risks, Identify Test Requirements.
* Proficient in creating the Test plan and Functional test plan and integrate with JMeter tool
* Experienced in testing the Functional performance of the resources such as Servlets, Perl Scripts and JAVA using JMeter tool
* Experienced in installing the Dynatrace tool and creating the monitoring scripts to track the application performance
* Extensively performed Performance, Reliability, Scalability, Load, Stress, Longevity, Functional and Regression Testing using automated testing tools including LoadRunner, Performance Center, Quick Test Pro, Quality Center and Test Director.
* Good understanding knowledge of RDBMS concepts to test backend of applications on SQL server, Oracle databases.
* Efficient in SQL queries for back end testing of the application using SQL Developer.
* Expertise in configuring and monitoring webMethods components.
* Efficient in developing and deploying Integrated Applications using webMethods Integration Server
* Strong Working Knowledge in web technologies like ASP, JavaScript, VBScript.
* Good experience working in an Onshore-Offshore model.
* Demonstrated qualities in a Leadership role, Conflict and Issue Handling, Risk Management, etc.
* Excellent Technical, Communication and Interpersonal Skills with strong Customer Orientation and Client Interfacing Skills.

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| **Automation Tools** | LoadRunner12.0/11.52/11.50/11.0/9.52/9.1, HP Performance Center 11.52/11.0/9.5/9.0, 11.0/9.5. Visual Studio Team System 2008, Test director 6.5/7.0/7.6, Requisite pro, Test Manager, SoapUI 4.0.1, LoadUI 2.0. |
| **Load Runner Protocols** | Web (http/html), Flex, Web Services, Ajax TruClient, Citrix, JAVA, Ajax Click & Script, COM/DCOM |
| **Test Monitoring Tools** | Wily Introscope, Splunk, HP Diagnostic, Site Scope, Dashboard (Project Specfic), Truclient and Citix. |
| **Test Management** | Quality Center, JIRA, Test Director and Clear Quest |
| **Operating Systems** | Sun Solaris 2.6/2.7, HP-UX, MS-DOS 6.22, Win 3.x/95/98, Win NT 4.0,Win 2000,Windows XP, SCO Unix, HP9000 |
| **Management Tools** | MS Excel, MS PowerPoint, MS Visio |
| **Database** | MS Access, SQL Server, Oracle |
| **Languages** | SQL, PL/SQL (Stored Procedures, Functions, Triggers, Cursors), c C/C++, HTML 4.0, Shell Scripting |
| **Application Servers** | Cramer, Web logic, JBoss, CIM |
| **Web Technologies** | ASP, ASP.net, VB, COM, DCOM, Java Script, VBScript, HTML DHTML. |
| **Other Tools** | VSTS rollout, Source Control migration to VSTS,iRise, Visual SourceSafe, SVN,JMeter, Soap UI, Dynatrace , Toad 10.6, HP QC 9.2, Fiddle, Clear Case (IBM Rational Tool), FTP |

**ACADEMIC QUALIFICATIONS**:

## B-Tech COMPUTER SCIENCE AND ENGINEERING

KakatiyaUniversity Warangal 2006

**Professional experience:**

**AT&T. DALLAS TEXAS.**

**Sept 2014 - present**

**Role: Performance Test Lead**

AT&T Corp., originally the American Telephone and Telegraph Company, is the subsidiary of AT&T that provides voice, video, data and Internet telecommunications and professional services to business consumers and government agencies.

**Responsibilities:**

* Designed multiple LoadRunner scripts (Vugen) with different protocols like Web, Flex, AJAX,
* Responsible for analyzing application and components behavior with heavier loads and optimizing server configurations.
* Developed Scenarios in Controller based on the User Load and Transaction Volume
* Developed and executed **formal test plans** to ensure the delivery of quality software applications.
* Enhanced the test scripts using **Citrix 9.2 OEM,WebHttp,ODBC,SAPGui,JAVA** protocol in **Load runner.**
* High Level Test Plans were written by incorporating User Profiles, Configurations, Environments, Risks, Test Scenarios, Schedules and Analysis and Presentation of Results using **Mainframe** .
* Executed stress/load/rendezvous scenarios and regression testing for various operations and performed detailed test analysis reports and perform **Disaster Recovery**.
* Added performance measurements for UNIX, Oracle, Web Logic server in **Load Runner,** controller and monitored online transaction response times, Web hits, **TCP IP** Connections, Throughput, CPU, Memory, Heap sizes, Various Http requests etc. **Monitored Oracle database** V$ session and system table stats.
* Created the complex Business process performance test scripts using JMeter
* Performed load testing on **Citrix** and VM ware environment.
* Worked on Siebel work flows, Data conversion rules and Change rules.
* Designed test cases and performed load testing for **Siebel CRM** module and transaction processes.
* Analyzed results Using **Load Runner Analysis, Neo Load** tool and **Wily Introscope**.Identify and eliminate performance bottlenecks during the development lifecycle.
* Work closely with software developers and take an active role in ensuring that the software components meet the highest quality standards
* Monitored system performance using App dynamics
* Used XPath, XML, HTML Regular Expressions in Load Runner
* Worked closely with Production Managers, Technical Managers and Business Managers in planning, scheduling, developing, and executing performance tests.
* Implemented and maintained an effective performance test environment.
* Provide production support for webMethods Applications and resolve issues.
* Perform code review and develop common framework for webMethods applications.
* Implement Fixes & patches and test them accordingly.
* Promote code across environments.
* Worked with database team and submission and processing of data requests
* Responsible for ensuring the usability of the application, Navigation and graphical interfaces and the database integrity by performing extensive smoke test, functional testing, integration testing, regression testing, and data driven testing.

**Environment/Tools:** J2EE, JAVA, Web Sphere, JMeter, SQL Server, Linux, PeopleSoft, WebLogic, XML, VuGen, Java JRE1.7, Loadrunner 11.52, Web services, SoapUI,SAP-Web, SAP – GUI.

**Protocols:** Java over HTTP User, Web Services, Flex, AJAX, Web (HTTP/HTML).

**Autotrader.com, ATLANATA, GA**

**Apr 2012 – Aug 2014**

**Sr. Performance Engineer**

**Responsibilities:**

* Independently developed Performance Center test scripts according to test specifications/requirements.
* Designed performance test suites by creating Web (GUI/HTTP/HTML), Web service and Click & Script test scripts, workload scenarios, setting transactions. Extensively used VUGen to create Load Test Scripts.
* Identify system/application bottlenecks and worked 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 LoadRunner tool to simulate activity.
* Created Vusers to emulate concurrent users, inserting Rendezvous points in the Vuser scripts and executed the Vuser Scripts in various scenarios which were both goal oriented and manual using Load Runner.
* Correlated and Parameterized test scripts to capture Dynamic data and input various test data as per business requirements.
* Using Performance Center, execute multi-user performance tests, used online monitors, real-time output messages and other features of the LoadRunner Controller/Performance center.
* Analyze, interpret, and summarize meaningful and relevant results in a complete Performance Test Report.
* Developed and deployed test automation scripts to do end to end performance testing using JMeter
* Develop and implement load and stress tests with Mercury Performance Center and present performance statistics to application teams, and provide recommendations of how and where performance can be improved.
* Monitoring the various machines during load tests and informing the corresponding teams in case of issues.
* Created detailed test status reports, performance capacity reports, web trend analysis reports, and graphical charts for upper management using Load Runner analysis component.
* Root Cause Analysis & Bottleneck Analysis/Problem Isolation after Performance Testing using Wily Introscope
* Leveraged AWS cloud services such as EC2.
* Expertise in Capacity Planning, Data Modeling and Root Cause Analysis
* Expertise in statistical and mathematical analysis and interpretation of data.
* Performs in-depth analysis to isolate points of failure in the application
* Assist in production of testing and capacity certification reports.
* Develop and implement load and stress tests with Mercury Performance Center, and present performance statistics to application teams, and provide recommendations of how and where performance can be improved
* Monitor and administrate hardware capacity to ensure the necessary resources are available for all tests.
* Creating User Stories and setting up the E-mail alerts to respect focal to follow up the work items in TFS.
* Setup environment for developer to dock Quality Center within Visual Studio Team System (VSTS).
* Create new project in Team Foundation Server, setup security and provide training.
* Resolve conflicts or any issues raised by developers related to VSS or TFS.
* Applied version control to the Test Plan module using Visual Source Safe.
* Creating and executing test cases in Test Manager.
* Logging the bugs and tracking until it get closure in TFS.
* Generating Test Execution Status and Bug status based on TFS statistics.
* Used Soap UI Pro to perform Web Service Performance test.

**Environment:** J2EE, Java, UNIX, Oracle 10i, Quality Center 11.0, VuGen, LoadRunner 11.52, Performance Center, AWS (Amazon web services) TFS, JMeter, Wily Introscope, SiteScope, MS Visio, MS Project, VSTS rollout, Source Control migration to VSTS.

**Protocols:** Java over HTTP, LDAP, CitrixICA, Web (HTTP/HTML), Web Services.

**Bank of America, Atlanta, GA**

**June 2010 – March 2012**

**Role: Performance Tester**

The application was designed to provide greater efficiency to all aspects of customer services like Billing, Payments, Financial analysis and premium accounting. This system contains 8 subsystems, which include Order, Account Receivables, Account Payables, Purchase management system, Billing, Auditing, Cash value and Estimates. GUI screens are developed using Java and Backend is Oracle database.

**Responsibilities:**

* Responsible for Generating the key Virtual user scripts using the Load Runner VUGen utility for web (HTTP/HTML), LDAP and WINSOCK Protocols.
* Responsible for Monitoring the Application’s performance under Load using the key Web Server Monitors, Web Application server monitors for WebSphere, IIS 5.0,Apache monitors and NT Performance Monitors
* Responsible for Running the LoadRunner scenarios for the Vuser using LoadRunnerController and monitoring the server response times, throughput, Hits/sec, Trans/sec Transaction Response under load, Web Server Monitors, App server monitors, system monitors such as java processes and a host of other Performance metrics.
* Implemented IP Spoofing techniques to simulate unique users' requests while running the tests.
* Used SoapUI Pro to perform Web Service test.
* Made many enhancements to the recorded scripts by correlating, parameterizing, inserting debugging messages and string manipulation and any other script enhancements as and when needed.
* Used JMeter for testing the exposed URLs.
* Used JMeter to perform performance measures and integrated with Ant to generate a nice html report
* Configured various WebSphere monitors for WAS applications to figure out which of the several servlets/JSPs caused the problem.
* Created quantifiable load with test-scenarios for various applications (both standalone and integration) using LoadRunner's Controller.
* Used various servers and ran SQL queries in SQL Server 7.0 on the back end to ensure the proper transaction of data during various tests.

Environment: Windows NT, Hp-Unix, Linux, Oracle 8.i & 9.i, SQL, MS SQL Server, Oracle Finance, .Net, Web Services, XML, Performance Center, **Load Runner**, JMeter, Windows2000/NT,,Citrix **9.2 OEM**, RUP, Test Director,**Introscope**.

Protocols: LDAP, WinSock, Web HTTP/HTML.

**Sprint Overland Park, KS**

**Nov, 2009 – May, 2010**

**Role: Performance Tester**

Sprint is one the leading wireless service providers in the US market. It offers various services through. Web based application for customers to view their bills, pay bills, check their payments, e-bill enrollment, sort their bills and print the bills in PDF format. Testing included new features, upgrades, enhancements, production fixes and validating .csv and .pdf files which contain customer’s monthly bill statements.

**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 XML 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

**GlaxoSmithKline (GSK) , Brentford , England.**

**Jun 2008 – Dec 2008**

**Load Runner Tester.**

LIFT is the Application Developed for the purpose of Research and Development in the field of Medicine. This is the customized version of the Sapphire Application, which is developed by the Lab Vantage. Laboratory Information for tomorrow is system for managing all the activities of a Lab. System deals with efficient management of every event conducted in a lab on the samples. The LIFT system will provide functionality in support of the business process. Following are the different modules involved in it: Sample Management, Batch Count, Lab Management, Deviations, User Admin, Static data, and Instrument management, Stability Management, Assign Disposition, Reagent Management and Queries.

**Roles and Responsibilities:**

* Reviewing the requirements documents for testability.
* Responsible for Requirements gathering for the new enhancement in Defect Tracking system.
* Responsible for Test case writing.
* Developing Master Test Plan, which includes entire Testing Plan, Testing Resources, Testing Strategy and testing of end-to-end scenarios.
* Designed performance test suites by creating Web (GUI/HTTP/HTML), workload scenarios, setting transactions. Extensively used VUGen to create Load Test Scripts.
* Correlated and Parameterized test scripts to capture Dynamic data and input various test data as per business requirements.
* Extensively used C programming language for incorporating business logic and error handling code in to the scripts.
* Assisted Application Developers and technical support staff in identifying and resolving defects.
* Created LoadRunner scenarios and scheduled the Virtual Users to generate realistic load on the server using LoadRunner(Load generator machine)
* Gathering the Test Input data. Test Input data includes Pre-condition, Test Input, Test Result, Test Regression data.
* Used Load Runner to execute multi-user performance tests, used online monitors, real-time output messages and other features of the Load Runner controller.
* Analyzed, interpreted, and summarized meaningful and relevant results in a complete Performance Test Report.
* Developed and implemented load and stress tests with Mercury Load Runner, and presented performance statistics to application teams, and provided recommendations of how and where performance could be improved.
* Monitored and administrated hardware capacities to ensure the necessary resources were available for all tests.
* Worked closely with software developers and take an active role in ensuring that the software components met the highest quality standards.
* Identified problems via Ad-hoc, Initialization, Database, Interface, Usability and Security testing.
* Performed parameterization & correlation by using various Load Runner functions to enhance the VuGen scripts.
* Analyzed the result files generated after each run of load test and exported the data to excel sheets.
* Reviewed the Project Requirement Specifications with business and development teams.
* Responsible for preparing System test environment (UNIX OS) using FTP.
* Manage and prepare Status Reports, Test Matrix and Testing Reports for weekly meeting.
* Extensively used SQL queries to monitor backend issues.
* Using Quality Center for complete defect management and reporting.
* Responsible for conducting time to time Knowledge Transfer meetings and imparting domain knowledge within the team.

**Environment**: C++, UNIX, SQL server, TOAD, Oracle, Windows 2000, Test Director, Load Runner, SQL, UNIX, FTP server.

**Protocols**: Web HTTP/HTML,