**Prithvi Goud**

#### PROFESSIONAL SUMMARY

* 8 + years of Quality Assurance experience with strong expertise in **Performance/Load & Stress Testing** using HP Performance Center /Load Runner.
* Extensive experience in automated testing of Web based and Client/Server applications with proficiency in **Load and Performance Testing**.
* Expertise on various monitoring tools like **HP Site scope and HP Diagnostics**, to keep track of the test performance and identify various bottlenecks.
* Experience in Performance testing of **Web and Client/Server** **applications** using Load Runner.
* Experienced with all functionality of **Virtual User Generator and Correlating Statements**, configuring Run time settings for HTTP, iterations, Simulated Modem speeds to bring the testing scenario to real world
* Strong experience in using Single and Multiple protocols in Loadrunner Vugen like **Web Http, WebServices, Ajax TruClient, Web Click and Script, Citrix ICA,ODBC and Oracle NCA**.
* Strong experience in preparing Performance Test Plans, Performance Test Strategy, Performance Test Analysis Reports, Test Scenarios and Test Scripts for Automated Testing for various software applications.
* Expertise in SQL queries to perform Backend testing,
* Execution of Manuel Test Scripts and responsible to track and log the defects using Quality Center ALM.
* 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.
* Experienced in Installation and Setup of **Performance Center and Multi LoadRunner Agents**.
* Expertise on Web Services testing using **SOAP UI**.
* Participated in Integration, System, Smoke and User Acceptance Testing.
* Experienced in execution of automated test scripts using Mercury Tools (Test Director/Quality Center (ALM), LoadRunner, and QTP)
* Good understanding of object oriented methodologies, software development life cycle (SDLC) and software testing methodologies
* Excellent ability to understand complex **scenarios and business problems**, and transfer the knowledge to other users/developers in the most comprehensible manner
* Good experience in **agile methodology**.
* Good knowledge on Object Oriented Programming, experienced with C programming (C#), HTML, XML, CSS.
* Experienced working with developers in White Box Testing, and debugging codes for better performances results
* Quick learner by respect to latest technology, most excellent put into practice and system.

#### TECHNICAL SKILLS

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| --- | --- |
| **Testing Tools** | Load Runner 8x/9x/11x/12, Performance Center 12.0, Silk Performer 7x, Jmeter, QTP, Quality Center 9/10/11 |
| **Load Runner Protocols** | Web-HTTP, Web Services, Citrix, Oracle NCA, SQL Scripting, JAVASCRIPT, VB Script 9x/10, Selenium, ADO.net, Ajax TruClient |
| **Programming Languages** | C,C++, JAVA/J2EE,VB.net, ASP.net, PEARL, Python, XML |
| **Web/ Application Servers:** | MS IIS, Apache, Web sphere, CSS, XML, XSLT, XPATH, ISS(7.0/6.0/5.0) |
| **Database:** | Oracle, Db2, SQL Server, MySQL |
| **GUI** | VB, JSP, Java Applets, ASP, HTML |
| **Other:** | Service Oriented Architecture, Web services, XML, SOAPUI,  WSDL, WCF |

#### PROFESSIONAL EXPERIENCE

##### **Magellan Health Inc, Chandler, AZ Nov15 – Till Date**

##### **Senior Performance Engineer**

(Magellan), formerly Magellan Health Services, Inc., is engaged in the healthcare management business. It ranked 645 on the Fortune 1000 in 2015. Magellan Health focuses on the unmet needs in the fast growing, highly complex and high cost areas of health care.

**Roles and Responsibilities:**

* Prepared Test plan and Test specifications based on Functional Requirement.
* Experienced in defining the performance scenarios based on the client provided QA use cases and inputs.
* 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, Web Service, Ajax Trueclient 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 LoadRunner for Web (HTTP/HTML), and Web services protocols based on the user workflows.
* 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 LoadRunner.
* 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 LoadRunner tool to simulate activity.
* Configured Web, Application, and Database server performance monitoring setup using LoadRunner Controller, Wily Introscope, Spunk & 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.
* Perform root cause analysis on failures. Resolve performance tuning related issues and queries.
* Added various monitoring parameters (CPU, Memory) to the LoadRunner 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 LR Analysis Tool;
* Documented delays and coordinated test results.
* Participated in conference calls with client 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.
* Responsible for monitoring different graphs such as Throughput, Hits/Sec, Transaction Response time and Windows Resources while executing the scripts from LoadRunner.
* Used Quality Center for complete defect management and reporting.

**Environment**: Java, J2EE 1.4, AJAX , HTML, Web Services, SQL Server.

**Tools**: HP ALM Performance Center 12.01, Jmeter, HP Analyzer, SOAP UI, HP Diagnostics Server, HP Site Scope.

**Protocols**: Ajax True client, Web Services, Web (HTTP/HTML).

##### **Accident Fund, Lansing, MI Mar 14 – OCT 15**

##### **Senior Performance Engineer**

Accident Fund Insurance Company of America is one of the nation’s leading workers’ compensation insurance organizations, managing risk and minimizing loss for policyholders, creating a safer environment for workers and building businesses.

**Roles and 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 analyzed Web Services contracts, WSDL, XSD and XML files.
* Used Correlation to handle the Dynamic return values and scheduled the test under workload compositions.
* Developed load test scripts using VUGen to make them flexible and useful for Regression testing.
* Continuous review of Business critical Database to proactively identify space issues, performance tuning issues
* 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.
* Analyzed 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 tunning 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, IIS 6.0, Oracle Applications, Oracle, UNIX,

**Tools**: Performance Center 11.0, JMeter, HP Site scope, HP Quality Center.

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

##### **CSS Health Technologies, Mobile, AL Jan 13 – Feb 14**

##### **Senior Performance Engineer**

##### ChartSmart is a Drummond Group certified Electronic Medical Record system, which provides a complete package for Inpatient, Outpatient, Ambulatory and Emergency Patients. It includes different, easy to use modules for Nurses and Physicians.  ChartSmart follows the HL7 standard and is capable of communicating with other Medical / Health related software’s.

**Roles and Responsibilities:**

##### **Billing/CIS**

* Developing Master Test Plan, which includes entire Testing Plan, Testing Resources, Testing Strategy and testing of end-to-end scenarios.
* Created automated scripts by including timers for recording response times, and test checks for confirming the retrieval of the correct page.
* Reviewed and analyzed Web Services contracts, WSDL, XSD and XML files.
* Designed multiple LoadRunner scripts (VuGen) with different protocols like Web (Http/Html), Ajax, Web services for load testing different applications.
* Correlated and Parameterized test scripts to capture Dynamic data and input various test data as per business requirements.
* Executed Test Cases using SOAPUI tool, updated the status in Quality Center and logged defects in Quality Center.
* Responsible for functional/regression, performance, stress and capacity testing assessments for a number of company products. Worked with development team on server tuning efforts.
* Used SQL Developer and Toad to retrieve data from Oracle database.
* Created detailed test status reports, performance capacity reports, web trend analysis reports, and graphical charts for upper management using Load Runner analysis component.
* 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 LoadRunner tool to simulate activity.
* Perform root cause analysis on failures. Resolve performance tuning related issues and queries.
* 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.
* Added various monitoring parameters (CPU, Memory) to the LoadRunner controller for monitoring.
* Setting run-time parameters (Think time, Pace time, Replay options etc.).
* Created, Executed and Monitored the feasibility of various manual and goal oriented scenarios of an application with Load Runner Controller.
* Configured Web, Application setup using LoadRunner Controller and HP Site scope.
* Used JMeter to perform basic load and stress testing on web application environment.
* Written common and business library functions by using VBScript.
* Worked with Shared Objects repository and act as point of contact for adding, updating objects in Object Repository.
* Developed Test Actions, Reusable Actions and call them in to Driver Scripts
* Worked with Recovery Scenarios to define and specify the recovery operations to avoid interruption in the application.
* Coordinated and collaborated with Developers, Production support team, Project Management folks and Requirements Analysts to resolve issues.

**Environment**: HP Loadrunner, Sitescope,Jmeter, HP Diagnostics, Quality Center,Putty, Oracle 10g, SQL

**Tools:** Load Runner 11.0, ETL, Web Sphere, Load Balancer, Quality Center, J2EE Diagnostic Tool.

##### **Genesis Health Systems, Davenport IA July 11 – Dec 12**

##### **Performance Tester**

The scope of the project was to Implement a web based claims processing and management application to manage health insurance claims electronically. This software is a web-based electronic claims processing solution providing real-time patient insurance information. The application connects the organization to the largest all-payer network of commercial and government health plans nationwide to provide a wealth of real-time patient benefit information. Data is automatically translated to meet HIPAA compliance standards and the privacy of transactions is protected with the highest level of internet-based security. They also support Medicaid and Medicare programs.

**Roles and Responsibilities:**

* Responsible for all performance testing (Load, Stress and Volume) efforts using LoadRunner (Controller, Virtual User Generator, Analysis)
* Developed performance test plan and cases based on business and technical requirements.
* Analyzed Load pattern and developed test scenarios to emulate the real life stress conditions.
* Developed Vuser scripts in LoadRunner using Web (HTTP/HTML), Webservices, Ajax (Click and Script), Microsoft .Net, ODBC, Oracle NCA, PeopleSoft Enterprise protocols.
* Installation and Setup of Performance Center and Multi LoadRunner Agents Verified the SOAP message delivery to the web services and verified the XML formatted response using the SOAP UI.
* Performance Tested Middleware applications developed in SOAP environment.
* Correlated and parameterized scripts, configured the Runtime settings in Virtual User Generator.
* Developed Scenarios with different schedules like Ramp-up, Run Duration, and Ramp-Down.
* Monitored performance using windows performance monitors and Load Runner monitors.
* Analyzed Test using Summary Analysis, Average Transaction Response Time, Throughput, Used Web\_Reg\_Find function to search for the text to see if the desired pages are returned during replay in Virtual User Generator.
* Worked closely on application availability, performance tuning with Analysts, Developers and Infrastructure SMEsGenerated weekly reports for senior management.
* Environment: Load Runner, LDAP ,Mainframe, Oracle , MS SQL Server , Web logic , Web Sphere, JAVA, Quality Center, J2EE Diagnostic Tool , Windows 2000 / XP, Solaris, AIX, IE, Netscape execution plan, Test cases, Test scripts etc.
* Configured and used IP Spoofing in LoadRunner to simulate a more realistic testing scenario.
* Involved in conducting Verification, Benchmark test, stress tests, Fail over and volume tests against the application using Load Runner.
* Performance tested to determine system latencies on Solaris and Linux Coordinated with Business Users to understand business needs and implement the same into a functional Data warehouse design.

**Environment:** Oracle, .Net Framework 3, MS SQL Server 2005, DB2

**Tools:** Load Runner 11.0, ETL, Web Sphere, Load Balancer, Quality Center, J2EE Diagnostic Tool, Ethereal, Windows, Wily, HP Site Scope, BAC.

**Protocols:** WebHttp, .Net, SOAP, ADO.Net

##### **Vertex Pharmaceuticals, Cambridge, MA                                                         Jun 10 – June 11**

##### **Performance Tester**

Vital Point is a HIPAA compliant, secure, web-based application that allows claims professionals to process retail and mail order pharmacy claims in real-time. Currently Helios is providing this service for worker compensation health insurance (only pharmacy claims) and is looking forward to dealing with Automobile claims as well in the future. Some of its clients include AIG, New York Life Insurance etc. Specifically, Vital Point can do the following:

 Manage pending retail and mail order pharmacy transactions

         o   Manage pending Medical Services & Equipment claims

         o   Restrict medication and physician at claim level.

         o   View medication and therapeutic classification reports.

         o   Embedded workflow capabilities.

         o   Submit referrals.

**Roles and Responsibilities:**

* Analyzed and Developing Test Plan, Test Cases, Test Scripts, Expected Test Results and Test Procedure from functional requirement for each module.
* Have good exposure in GUI, Business Testing, Functionality Testing, Manual testing, White Box testing, Black box Testing, System testing, including Integration, 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
* Used Quality Center to check out the latest versions of the build for testing purposes, and check in the updated test cases, and test documentation periodically.
* Maintained bug lists for critical issues using QC.
* Conducted extensive Security Testing including alternative user identification and authentication using manual testing .
* Reviewed Load Runner coding standards and best practices process for performance testing projects
* Performed back-end testing by extensively using SQL commands to verify the database integrity
* Evaluated test results to identify performance issues,
* Worked in designing test objectives, planning the test, creating Vusers, creating the scenarios, executing the Scenarios, monitoring the scenarios, and analyzing the test results for the Performance testing using Load Runner.
* Planned, designed, executed and evaluated performance tests of web application and services and ensured optimal application performance using Load Runner.
* Identified performance issues with the servers and made recommendations for their
* Prepared, reviewed and executed the tests plan and test cases based on requirements.
* Worked in writing and reviewing the test cases.
* Utilized testing tools to manage the testing process.
* Verified EDI test files to communicate with external vendors.
* Logged and tracked defects identified during testing cycle.

**Environment/Tools**: Windows NT/2000, Load Runner 9.0, Quality Center 8.0, SQL, PL/SQL, Web Sphere 6.0, Bugzilla

##### **Walmart, Bentonville, Arkansas Nov 08 – May 10**

**Load Tester**

This Internet based application was designed and developed for the departmental sales leads to do their business online. The system is aimed to facilitate them with product information, distribution data of samples to sales managers and their usage analysis. The sales managers are provided with login accounts to analyze and control the operations in their area. All the data is recorded in the database, which was used to analyze the usage statistics.

**Roles and Responsibilities:**

* Gathering and analyzing business and technical requirements for Performance Testing purposes.
* Coordinating with Functional Teams to identify the Business Processes to be Performance tested.
* Having good communication with crossfunctional team and get various updates to move on to next step.
* Arranging daily stand up meeting with off shore team and plan accordingly with development team and functional team.
* Experience in using SOAP UI for testing the Web services.
* Participate in all meetings planned for particular release and obtain necessary technical requirement and such meetings include design review, test execution timeline etc.
* Meeting with project team to work for project business volume metrics.
* Gathering and analyzing business and technical requirements for Performance Testing purposes.
* Configure all necessary hardware and software to support Performance Center.
* Planning, development and testing of scripts.
* Prepared Test Automation Project Milestones and deliverables. Prepared Project Schedule, Attended the Project Status Meetings
* Designing, developing and the execution of reusable and maintainable automated scripts.
* Created and executed scenarios that emulated typical working conditions using LoadRunner VuGen.
* Planned the load by analyzing Task distribution diagrams, Transaction Profile and User profile and executed Performance Testing using Mercury performance center
* Conducted Performance testing and analyzed various graphs against product requirements.
* Added various monitoring parameters (CPU, Memory) to the LoadRunner controller for monitoring.
* Setting run-time parameters (Think time, Pace time, Replay options etc.).
* Participated in discussions with the QA manager, Developers and Administrators in fine-tuning the applications based on the Results produced by Mercury Analysis.
* Using Test Director for the complete defect management and reporting.
* Responsible for weekly status, Updated showing the Progress of the automation testing effort.

**Environment :** NET, C#, Web services.

**Tools:** Load Runner 9.0, Quality Center, HP Site Scope.

**Protocols:** Microsoft ADO.NET.

##### **Assurant Health Insurance, Milwaukee, WI                                                         May 08 – Oct 08**

**Load Tester**

Assurant Health is the brand name for a family of health insurance products focused on providing a

variety of affordable plan choices to consumers. The portfolio of health care products includes major

medical, supplemental and fixed-benefit plans for individuals, families and small employers. Assurant

Health is committed to providing access to convenient health care delivery; easy-to-understand

products and value-added services that help customers better manage their health

**Roles and Responsibilities:**

* Reviewing the requirements documents for testability.
* Developing Master Test Plan, which includes entire Testing Plan, Testing Resource Strategy and testing of end-to-end scenarios.
* Designed performance test suites by creating Web (GUI/HTTP/HTML), PeopleSoft test scripts, 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.
* Planning of Test Strategy on how to automate the testing. Selecting the Test Cases for Regression testing and automating the Test Cases using WinRunner.
* Creating GUI, Bitmap, Database and Synchronization verification points in WinRunner.
* Validated the integrity constraints on the database by creating Procedures and Functions.

**Environment** : Java, J2ee,Oracle.

**Tools** : QTP, Quality Center, LoadRunner.

**Protocols** : Web HTTP/HTML