

Sumalatha Reddy
Performance Tester

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PROFILE HIGHLIGHTS

- Having 4 years Experience in Software Testing in Performance Testing using **HP Load Runner**.
- Having knowledge on **Apache JMeter**.
- Experience in Health Insurance, Auto Insurance and Finance domains.
- Involved in all the phases of Performance testing Life cycle.
- Exceptional experience on developing Vugen scripts using **Load Runner** with protocols **WEB HTTP/HTML, Web Services**.
- **Protocols** knowledge on: **SAP Protocol, Ajax true client**.
- Very much expertise in scripting using Load Runner Vugen, executing scenarios in **Controller** and Reporting using **Analysis**.
- Customize the developed performance scripts with **Correlation, Parameterization**, transaction points and **Error handling**.
- Good experience in conducting different Performance test like **Load, Stress, Soak, Spike testing**.
- Experience in identifying Performance Related Bottlenecks.
- Experience in both Client side and Server-side monitoring.
- Experience in Preparing Test Summary Report documents.
- Good experience in using network sniffer like **Fiddler, HAR analyzer**.
- Good experience in different Profiling and Monitoring tools like **JVisualVM, SiteScope, Dynatrace** and understanding the Performance metrics.
- Having knowledge on **HP Performance Centre**.
- Good at managing time and resources efficiently, ability to handle multiple projects at the same time and work independently as well as in a team.

TECHNICAL SKILLS

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|----------------------------|---|--------------------------------|
| ➤ Tools | : | Load Runner, Fiddler, Jmeter |
| ➤ Operating Systems | : | Windows, Unix/Linux. |
| ➤ Profiling | : | Jconsole, JvisualVM. |
| ➤ Monitoring Tool | : | Sitescope, perfmon, Dyantrace. |
| ➤ Test Management | : | HP Performance center. |

EMPLOYMENT SUMMARY

- Working as a Performance Tester in **CGI INFO SYSTEMS payroll planet info** Hyderabad from **July 2015 To Till date**

ACADEMIC PROFILE

- **MCA** from Gurunanak Engineering College.

PROJECT DETAILS

Project #1: Alliance

Client	:	Allstate Insurance
Domain	:	Insurance
Protocols Used	:	Web (HTTP/HTML).
Tools /Utilities used	:	HP Site Scope.
Role	:	Performance Tester.

Project Description:

Alliance is the major Application in Allstate Insurance which have all customer details, Insurance information, Payments, Creation of new Insurances, Involvement of different types of Insurance (Auto, Property) Policy details, major functionalities like Endorsements, Converting into New Business, end to end information of insured.

Roles & Responsibilities:

- Involved in Understanding the whole application and identifying performance requirement.
- Involve in NFR [NON FUNCTIONAL REQUIREMENT] gathering from client or production logs using **SPLUNK** Tool.
- Preparing Vuser Scripts based on Business Process by using Web (HTTP/HTML)
- Enhancing Vuser scripts like applying Transaction points, **Parameterization** and **Correlating** the Scripts and **Check points**.
- Creating Scenarios in various Modes with Respect to the Performance Test Scenarios for the Vuser Script.

- Monitoring and collecting the server side and client side metrics during the test execution using **Sites cope**.
- Execution of **Stress test, Endurance test** and **Spike test** based on application requirements in the test environment.
- Creating and executing Load Test and provide adequate supporting information for bottleneck analysis.
- Analyzing the output of LR and preparation of Performance Test Report with performance baselines.

Project #2: eAgent

Client	: St.Joseph's \Hospitals, UK
Domain	: Hospital
Protocols Used	: Web (HTTP/HTML).
Tools /Utilities used	: Dynatrace.
Role	: Performance Tester.

Project Description: The project is to develop software for hospital maintenance system. It consists of Administration, Patient Information, Enquiry, Billing, and Blood bank, Pharmacy, ICU and Security, Inventory Modules. Administration Module is to maintain database backup and password security, Patient information module maintains all details about every patient starting from admission to discharge. Enquiry module gives information about availability of beds and rooms of different categories and fixes appointment with doctors. ICU module exclusively maintains various informations related to ICU like allotment of ICU. Inventory modules are to maintain information about stock input and output .Billing module print bills by integrating information from all the above modules.

Roles & Responsibilities:: My role is to perform Performance testing for every project assignment and ensure sign off for every release with the below process.

- Understanding Non Functional Requirements (NFR's)
- Understanding the test plan and involved in creation of workload model
- Recording the business flows for Critical Business Transactions (**CBT's**)
- Enhancing the recorded script by using optimization techniques like **correlation, parameterization**
- Implementation of error handling by keeping the **verification check points**
- Preparing the **test data** and validating it before the test execution
- Designing the **scenarios** as per schedule and executing the same in the **Controller**

- Conducting the various types of tests like **Dry Run** test ,**Load** test ,**Stress** test ,**Endurance** test ,**Spike** test etc
- Communicating the progress and the Issues through the **regular status reports**
- Monitored the Application using **Dynatrace** to identify the root cause analysis
- Analyzing the results from the analysis using **filters** and
- Publishing **final summary report**.

Project #3 : Champs Sports

Client : Champs sports, US
Domain : Retail
Role : Performance Tester
Testing Tool : HP Load Runner
Protocol used : Web Http/Html, Web services

Project Description: This Project is **E-Commerce** application for Team Express. This facilitates the user to buy goods/products through online. It has various modules like View the Items under various categories, select the items and move it to wish list or Shopping Cart, Customer Service, Know the Order status, manage different billing and delivery addresses, view the products available.

Roles &Responsibilities: My role is to perform Performance testing for every project assignment and ensure sign off for every release with the below process.

- Coordinating with the dev/client and other stakeholders to gather the information about Test Strategy which includes application overview, architecture, usage, timelines, contact points and entry/exit criteria.
- Involved in Script Enhancement, designing the Performance scenarios and execution in **Performance Centre**.
- Prepared Test Plan and involved in preparing Work load Model.
- Developed the scripts using Vugen component and designing the scenarios in controller component for multiple Vusers.
- Involved in executing the tests like load, stress, endurance tests in controller
- Monitored client and server side metrics using **JvisualVM**
- Analysing the Performance potential bottlenecks.
- Implemented **modular approach** in Vugen scripts.
- Shared detailed report with the client which included a comparison between the performance metrics of current test and the previous tests, various graphs, performance bottleneck analysis etc.

Project 4: Financial Information Service

Client : USBankcrop, USA
Domain : Banking
Protocols Used : Web (HTTP/HTML), Web services.
Tools /Utilities used : Load Runner
Role : Test Engineer

Project Description: USBankcrop Bank provides a full range of Banking, Investment and Financial Services. Project consists of the modules such as online Bank Accounts and Insurance, Loans, Credit card Management and Investments. Make a payment using online bill pay, View the account summary, View or print statements, Update the account address, phone numbers, or Email address, Request a credit limit increase. Download PDF Statement, Enrollment creation and cancellation, Update Email and logout.etc.

Roles & Responsibilities: My role is to perform Performance testing for every project assignment and ensure sign off for every release with the below proces

- Understanding the assigned projects clearly and interact with clients/stakeholders for gathering PT requirements.
- Developing the Scripts Using VuGen to simulate real user behaviour
Enhancing the Scripts by Implementing some Optimization Techniques
Understanding the test data to do parameterization.
- Customizing the scripts by verifying the text and image by using check points
- Designing the scenarios as per the client requirement and executing the same in controller
- Generating the script for the newly identified scenarios, prepared Test Scripts, design workload, execute load, stress and endurance tests.
- Performing parameterization on the developed Vuser Scripts.
- By using **VTS** tool Data is integrated between the scripts.
- Analyzed Hardware level metrics and documented Performance Test Reports from “**Perfmon**”.
- Analyze the transaction response times, compare it against the defined SLAs and submit the report to project team for analysis.
- Compile and analyze various graphs like running vusers, hits/sec, throughput, transactions summary and response times.
- Generate performance test report including client side performance metrics and server side performance metrics.

DECLARATION

I hereby declare that the information's furnished above is true to the best of my knowledge.

Date:

Place:

Candidate Signature