# Mahesh Reddy R

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## PROFESSIONAL SUMMARY:

- **4.5** Years of experience in Performance Testing using **Load Runner** and **JMeter** tools.
- Expertise in developing performance test scripts using multiple complex protocols like **Web HTTP/ HTML** and **Web Services.**
- Involved in all phases of **Performance Testing Life Cycle** (**PTLC**).
- Involved in preparing **POC**, **NFR**, **Test plan** and **Workload model** documents.
- Specialized in handling the scripts by implementing **Correlation, Parameterization and Verification** with error handling techniques.
- Extensive experience in conducting different Performance Testing's like **Load, Stress, Baseline, Endurance, Volume test** and **Spike** etc.
- Extensive knowledge in creating and running the performance scenarios in **Controller** and **Performance Center**.
- Knowledge on debugging tools like **Fiddler** and **HAR Analysis**, **BLAZEMETER.**
- Good knowledge on analyzing load runner test results and used **VTS** for Data Staging.
- Knowledge in monitoring resource utilizations (CPU, MEMORY, DISK) of servers by using **Perfmon**, **SiteScope** and **NMON**.
- Experience on profiling tools like **J-Console, JVisualVM, JMC.**
- Designing the Scenarios using different thread groups like **Ultimate** thread group, **Arrivals** thread group and **Concurrency** Thread Group.
- I have good Experience in different samplers like **HTTP Request, JDBC Request, SMTP Sampler** etc.
- Good experience using Assertion like **Response Assertion**, **HTML Assertion**, **Duration Assertion** and **Size Assertion**.
- Having Knowledge on **Tru Client** and **SAP (GUI)** and **Citrix** protocols.
- Used different timers like **Constant Timer**, **Uniform Random Timer** and **Synchronizing Timer.**
- Knowledge on profiling tools like **AppDynamics.**
- Good experience on profiling tools such as **Dynatrace** to identify the root cause.
- Involved in finding Performance **bottlenecks** at different levels and providing the recommendation as part of the Performance Test Reports.
- Experience in working with projects that followed agile methodology.
- Worked on **SOAP UI** and involved in validating the rest full services using **Postman**.
- Good exposure on Client-side testing Concepts and tools.
- Interacting with client to test according to their requirements.

## EXPERIENCE

- Working as a Performance Test Engineer in **EDVENTURE SOFTWARE PRIVATE LIMITED**, Since November 2018 to till date.

# EDUCATION:

1. Completed Graduation from **Kakatiya University** in 2018.

## Technical Skills:

### Tools & Technology:

| Skills | Tools |
|---|---|
| Operating system | Windows Environment |
| Performance Tool | Load Runner, JMeter, ALM |
| Protocols | Web (HTTP/HTML), Web Services. |
| Languages | C Language |
| Web Technologies | Html, Xml, SQL |

## Project Experience:

### Project # 1:

**Title** : **Insurance Management System**
**Client** : **Gulf Insurance**
**Tools** : **Load Runner**
**Protocol** : **WEB (HTTP/HTML) ,Web Services**

### Project Description:

**Insurance Management System**

E-banking Firm is primarily responsible for maintaining a consist view of On-Line Banking which is useful to the account holders at any time. This bank provides On-line banking, Checking, Savings, Credit cards, Investment and Insurance. The bank account allows account holders dynamically with some privileges to access the account information, Transfer of money etc. operations throughout the world. It also provides loans for buying homes, travelling, planning for college, for higher studies, for retirement plans etc.

### Roles and Responsibilities:

➢ Developed the scripts using Web services, WEB (HTTP/HTML) protocols.
➢ Enhance the scripts with Correlation, Parameterization and C techniques
➢ Developed data staging scripts to create test data and to load into the scripts before running load tests.
➢ Executed batch performance testing.
➢ Prepared pre-test activities document, which is used to refer to the activities which has to be done before actual test pass, which helps in avoiding the repeating of tasks and to run the test pass accurately.
➢ Executed Dry Run tests before actual test passes. Executed Load tests for all scripts and prepared the comparison reports, analysis reports.
➢ Monitor the resource utilization of multiple servers through HP Performance Manager.
➢ Maintain flexible work schedule driven by test environment availability.
➢ Conduct performance tests for multiple applications in the same project.

➢ Experience in preparing Sign-off documents after completing each and every release

# Project#2:

**Title** : **XL Health**

**Client** : **XL HealthCare**
**Tools** : **Load runner**
**Protocol** : **Web (HTTP/HTML), Web Services-Restful.**

## Description:

This is a web-enabled Health Management application being developed for a USA BASED Health Management Company. This company is focusing on the improved management of medically infant newborn in neonatal Intensive Care Units. Enhance Patient care by providing information and health management services to patients, parents, providers and payers. This site will also provide the user parent with information and advice on various issues regarding childcare. In the short term, the site brings patients, parents, and providers under one network.

## Roles & Responsibilities:

➢ The key responsibilities were preparation of Load Runner scripts for the simulation of user behavior.
➢ Customization of scripts and execution of scripts.
➢ Creating/Maintaining the automation scripts using VuGen.
➢ We are taking requirements from Restful web services.
➢ These Restful URL to we get end point web services, then we do Scripting using them.
➢ Scripts written using Restful Services by using Postman.
➢ Debugging the Scripts in case of Script Failures.
➢ Creation of Scenarios and binding it with the different multiple scripts.
➢ Performed Baseline, Load, Stress and Endurance testing.
➢ Should able to use the web methods like GET and POST.
➢ Validate the response, response time, error code.
➢ Involved in Monitoring at the time of test execution.
➢ Furnishing the Raw data to my point of contact.
➢ Extensively used Load Runner in the whole of this engagement.
➢ Analyzing the results with the help of monitoring and Profiling with the help of Dynatrace.
➢ Generated the reports by using NMON.

## Project #3:

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|---|---|---|
| **Title** | : | **Waste Management (Logistics)** |
| **Client** | : | **WM Huston CA.** |
| **Tools** | : | **Load Runner** |
| **Protocol** | : | **WEB(HTTP/HTML)** |

### Project Description:

       Waste Management is a system handling hazardous waste, special waste, recycling solid waste and specialized product streams. This web based application facilitates creating and tracking of shipments, orders and waste profiles, regulatory compliance in addition to accounting, financial and reporting capabilities.

### Roles and Responsibilities:

- Understanding the Non-functional requirements along with SLA's defined.
- Interacting with the Client, as per schedule on a regular basis and provide status. Weekly (WSR's) and monthly reports (MSR's).
- Involved in the preparation of Test plan document.
- Developed the scripts using Web services, WEB (HTTP/HTML) protocols.
- Enhance the scripts with Correlation, Parameterization and C techniques
- Developed data staging scripts to create test data and to load into the scripts before running load tests.
- Executed batch performance testing.
- Prepared pre-test activities document, which is used to refer to the activities which has to be done before actual test pass, which helps in avoiding the repeating of tasks and to run the test pass accurately.
- Executed Dry Run tests before actual test passes. Executed Load tests for all scripts and prepared the comparison reports, analysis reports.
- Monitor the resource utilization of multiple servers through HP Performance Manager.
- Maintain flexible work schedule driven by test environment availability.
- Conduct performance tests for multiple applications in the same project.

## Project#4:

| | | |
|---|---|---|
| **Title** | : | **Health Insurance** |
| **Client** | : | **WellMark** |
| **Tools** | : | **ApacheJMeter** |
| **Protocol** | : | **Web (HTTP/HTML)** |

### Description:

       Wellmark Project is aimed at managing the relationship between WellMark and the distributors that sell and service its products. The suite includes features for Phase 1, managing information about individual Agents, as well as Agencies and their Hierarchies. It also has features to manage information for Licenses, Appointments, Continuing Education, Errors and Omission Policies. wellMark project is a deployment of the Versata DCM suite for WellMark Insurance Company.

Data Migration is also a part of the project and usually this involves utilizing the DCM Loaders Technologies. For Phase 2, the work involves configuration as well as writing custom code for Transactions and Client Contracts. This includes work for UI and Backbone changes, various Loaders and Extractors.

**Roles & Responsibilities:**

➢ Understand the Application Architecture, functionality, details and components metrics along with workload characterization.
➢ Analyze the application performance business scenarios.
➢ Design the scripts for business scenarios using JMeter.
➢ Building the JMeter test script using Samplers, Assertions, Controller, Pre-Processors, Post-Processors and Listeners test elements.
➢ Designing the scenarios with different thread groups like thread, Ultimate thread groups.
➢ Execute the Baseline Test, Load Test, Benchmark Test, Endurance test and Stress Test.
➢ Executing the business scenarios in GUI and non-GUI mode.
➢ Analyzing the results with aggregate data results.
➢ Weekly status on the projects and change request handling to the test manager (client).