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## **PROFESSIONAL SUMMARY**

- 5 years 6months of experience in Performance Testing on SAP, J2EE, .Net, Web2.0, Web Services& FilenetP8 technologies.
- Experienced in end to end performance testing, consulting, requirement gathering, identifying scenarios, developing and execution of scripts and analysis of results to find bottlenecks.
- Highly skilled in performance evaluation by executing Load, Stress and Endurance Testing.
- Hands on experience on Performance Testing Tools – HP-LoadRunner, HP-Performance Center, Jmeter.
- Worked on different LoadRunner protocols WEB (HTML/HTTP), java Vuser, java over http, SAP-GUI, SAP-Web, AjaxTruClient & WebServices.
- Hands on experience in Performance Monitoring with Site Scope.
- Hands on experience in performance diagnostic tools Dynatrace and Jprofiler.
- Experience with monitoring system resources such as CPU Usage, % of Memory Occupied, VM Stat, I/O Stat.
- Experienced in monitoring the application using java visual VM, Heap analyser, Thread Analyer.
- Hands on experience on IBM websphere application server admin activities in Linux environment.
- Good at writing SQL queries.
- Good understanding of programing languages C# and Core

Java.

- Worked on Test management tools HP-ALM (Quality Centre)
- Hands on experience on network traffic capturing tools like Http Watch and Fiddler for tuning the performance of a web site by measuring download times, caching or the number of network round trips and measure web site performance in manual and automated test environment by capturing metrics such as performance measures like JavaScript execution, Rendering Time, CPU Utilization, Asynchronous Requests and Network Requests
- Excellent technical hands on experience understanding Business Requirements, Performance Specifications, Mapping Documents, Test Plans, Test Scripts and Status Reports
- Exceptional problem solving and sound decision making capabilities, recognized by alternative solutions, and confident, accurate, decision-making coupled with excellent communication and interpersonal skills. Excellent track record for meeting deadlines and submitting deliverables on time.

## TECHNICAL SKILLS

|                        |   |
|------------------------|---|
| Automated Testing Tool | HP Suite (LoadRunner 12/12.05/11/9.5/, Jmeter, HP Performance Center, HP ALM 11 , Quality Center, Test Director and Win Runner)   |
| Defect Tracking Tools  | HP ALM/Quality Center/Test Director, Rally, Bugzilla and Clear Quest  |
| Monitoring Tool        | HP SiteScope, windows resources, Java Visual VM, Heap and Thread dump analyser  |
| Languages              | C #, Java and SQL   |
| Performance testing    | Expert knowledge in Performance testing <ul style="list-style-type: none"><li>• Understanding performance test requirement, preparing scenarios.</li><li>• Creating scripts, execution, reporting and analysis, using various protocols like <b>Web(http/https)</b>, <b>Java vuser(MQ)</b>, <b>Java over HTTP</b>, <b>web service</b>, <b>SAP Web</b>, <b>SAP GUI</b>, <b>Ajax</b>, <b>True Client</b>.</li></ul> |
| Web Server             | WebSphere application server administration.  |
| Databases              | Oracle 10g/11g, DB2, MS SQL Server, MS Access   |
| Database tools         | SQL Developer, Soap.  |
| Scripting              | Shell scripting.  |
| Operating Systems      | Windows 98/NT/2000/XP/VISTA /Win7/Server 2003, UNIX, LINUX, SOLARIS   |

|               |   |
|---------------|---|
| Browsers      | MS Internet Explorer, Netscape, Mozilla, Chrome |
| Methodologies | Agile, Waterfall, V Model                       |

## Education:

| Degree  | Qualification                              | College / University / Institution        | Period  |
|---------|--|---|---|
| Masters | Computer Science                           | University of Central Missouri (UCM)      | <a href="#">08/2015</a><br><a href="#">-12/2016</a> |
| B-Tech  | Electronics and Communications Engineering | Jawaharlal Nehru Technological University | <a href="#">09/2007</a> – <a href="#">04/2011</a>   |

## PROFESSIONAL EXPERIENCE

### Company:

**Expedient  
to till date**

**Jan/16/2017**

### Client: American Express

### Role: Performance Engineer

- Consult and suggest if application has to be performance tested.
- Gathered and Analyzed business requirements and procedures, involved in project planning,
- Coordinated with internal business departments on their information system's needs.
- Responsible for developing the performance test strategies, plans and cases.
- Responsible for parameterizing large and complex test data to accurately depict production trends.
- Validated the scripts to make sure they have been executed correctly and meet the scenario, descriptions.
- Execution of scripts for Load, Stress and Stability and volume testing.
- Developed Vuser scripts using web (HTTP/HTML) protocols based on the user workflows.
- Worked with teams to identify the bottlenecks and performed regression testing to achieve the pre spin off results.
- Monitored Different kinds of Graphs including Throughput, Hits/Sec, Transaction Response time, Windows Resources (Memory Utilization, CPU Utilization, Threads, etc) while executing the scripts from loadRunner, Performance Center.
- Diagnosed performance bottlenecks in Java.
- Extensively used LoadRunner to conduct performance testing of the application. Prepared LoadRunner scenarios for Load and Performance testing using different host systems.
- Developed LoadRunnerVugen Scripts using Correlation to parameterize dynamic values.

- Responsible conducting for root cause analysis.
- Monitored the metrics such as response times and server resources such as Total Processor Time, Available Bytes and Process Bytes by using Performance Center Monitors, monitoring tool dynamic and Dynatrace.
- Correlated and parameterized scripts as well as configured the RunTime settings in Virtual User Generator.
- Developed Scenarios with different schedules like Ramp-up, Duration.
- Monitored performance using windows performance monitors and Performance Center monitors.
- Worked on performance testing report and made recommendation for system/application performance improvement.
- Worked with developers, business and release managers in bug fix issues and in meeting project deadlines.

**Environment:** Load Runner v.11.52, v.12.53, Quality Center, Performance center, Dynatrace, Jprofiler, Fiddler

**Company:** Computer sciences corporation,  
**April/2014 to July/2015**

**Client:** KITS

**Role:** Performance Test analyst

### **Responsibilities:**

- Gathered and Analyzed business requirements and procedures, involved in project planning,
- Coordinated with internal business departments on their information system's needs.
- Responsible for developing the performance test strategies, plans and cases.
- Created WEB, MQ, SAP, scripts.
- Created Java, Shell scripts to monitor and analyze logs.
- Responsible for parameterizing large and complex test data to accurately depict production trends.
- Validated the scripts to make sure they have been executed correctly and meets the scenario, descriptions.
- Execution of scripts for Load, Stress and Stability and volume testing.
- Developed Vuser scripts using SAP Web, java vuser and web (HTTP/HTML) protocols based on the user workflows.
- Worked with teams to identify the bottlenecks and performed regression testing to achieve the pre spin off results.
- Monitored Different kinds of Graphs including Throughput, Hits/Sec, Transaction Response time, Windows Resources (Memory Utilization, CPU Utilization, Threads, etc) while executing the scripts from loadRunner, Performance Center.

- Diagnosed performance bottlenecks in Java.
- Extensively used LoadRunner to conduct performance testing of the application. Prepared LoadRunner scenarios for Load and Performance testing using different host systems.
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- Responsible conducting for root cause analysis.
- Monitored the metrics such as response times and server resources such as Total Processor Time, Available Bytes and Process Bytes by using Performance Center Monitors, monitoring tool dynamic and Dynatrace.
- Correlated and parameterized scripts as well as configured the RunTime settings in Virtual User Generator.
- Developed Scenarios with different schedules like Ramp-up, Duration.
- Monitored performance using windows performance monitors and Performance Center monitors.
- Worked on performance testing report and made recommendation for system/application performance improvement.
- Worked with SQL developer to insert the records into the data base. Created joins, views extensively.
- Worked with developers, business and release managers in bug fix issues and in meeting project deadlines.

**Environment:** Load Runner v.12, Quality Center, UNIX, Shell Scripting, Web Sphere Message broker, Web logic, Oracle, Site Scope, Dynatrace, Jprofiler, Fiddler, SQL Developer

## **Project Profile #1: SAP HANA:**

**Description:** Sap Hana is a report generation application which generates the sales reports based on the given date range, geographical location and different combinations.

## **Responsibilities:**

- Gathered user requirements and designed the Test Plans and Test Scenarios accordingly, which involved creating Business flow diagrams in Quality Center
- Worked on different protocols like SAP Web, Web (HTTP/HTML).
- Developed LoadRunner scripts and enhanced using manual correlation, parameterization and C functions

- Created scenarios like Basic schedule by load test/group, Real world schedule by load test/by group as per the requirement
- Performed Volume, stress and endurance Testing.
- Identified performance problems or bottlenecks and recommended possible steps for remediating using Dynatrace.
- Using LoadRunner, executed multi-user performance tests, used online monitors, real-time output messages and other features of the LoadRunner Controller
- Designed and developed performance testing automation artifacts (scripts, functions, scenarios, processes) for simple to complex testing situations using HP LoadRunner
- Executed multi-user performance tests, used online monitors, real-time output messages and other features of the LoadRunner Controller
- Created test strategies and conditions for load, stress, concurrent users, and network bandwidth scenarios
- Tested different versions of the application on performance and pre-production environments before going live to Production
- Assisted the project teams in identifying and documenting performance test requirements
- Designed the performance test harness for execution on automated, performance, and endurance testing platforms
- Work with business and technology leads to identify the appropriate data for testing, and prepare that data for the test cases
- Worked with SQL developer to insert the records into the data base.
- Performed problem solving analysis and root cause for system functionality and testing challenges using LoadRunner Analysis Tool
- Observed the load test run for any errors and analyzed the results of the entire test run
- Raised bugs using the HP ALM.

**Environment:** HP LoadRunner 12. Performance center, Dynatrace, Windows Server 2003/2000, UNIX, Web sphere application server (WAS), HP Diagnostics HP ALM, SQL developer.

**Project Profile #2:** CE (Central Europe):

**Description:**

The CE Move project is implementing the SAP's new Database technology to provide significant enhanced reporting replacing the existing solution. Move project is aimed to provide the BI solution for 4 OPCO's of Kingfisher. OPCO's use this intelligent system to provide business reporting in support of key business objectives and manage their dashboards i.e. Reporting, Analysis and help with forecasting

One of the inputs to the database will be from the Message broker. Testing the performance of the message broker is the main concern in this project.

- Analyzed the Business requirements and site specifications to create scenarios for Load test and Endurance test.
- Developed the Test Plan and Test Cases for the module as per system delivery specifications (SDS).
- Worked with the development and management team to finalize the test plans and test procedures and execute the same.
- Developed scripts using different protocols: Java vuser, java, SAP web, Web HTTP/HTML.
- Created various Web Scripts for the application Using Virtual User Generator 11.
- Developed a shell script to continuously collect the Message brokers queue depth while performance test execution of message broker is running.

- Monitored the message brokers operation based on the input given and queue depth of the message broker during and at the end of the execution. This data is used post execution for analysis.
- Worked extensively with Controller to Create Scenarios for different Load Tests.
- Executed various tests like Load, Endurance and stress test.
- Monitored different LoadRunner graphs, Server performance Statistics using Performance Manager and Dynatrace 11.24.
- Analyzed Server performance Stats, Windows Resources and Database Server Resources etc. using Performance Manager Reports, Dynatrace Reports, Load Runner Reports and AWR Reports.
- Extensively used tools like LoadRunner, Performance Center, Performance Manager, and Dynatrace to analyze the System Bottlenecks like Memory Leaks, CPU Utilization and Network Bottlenecks etc.
- Analyzed the Load Runner/Performance Manager results to measure the Average CPU usage, Response times, Throughput and Transactions per second.
- Performance tested the 3rd party Web Service call using LoadRunner.
- Executed many Performance test cycles till the business critical transactions met the defined SLA's.
- Involved with deployment team to start/shut down and restart the servers.
- Involved in System testing and User Acceptance Testing. Also been a part of training team helping the end users in using the application.
- Coordinated regular daily/weekly meetings with Developers, Business users, hosting team and Performance team of the ongoing process.

**Environment:** HP Loadrunner, Performance Center, Dynatrace,



Java diagnostics, MQ Message broker, java, Quality Center, PL/SQL, web services, UNIX, SAP, SAP GUI.

### **Project Profile #3: Screwfix**

#### **Description:**

Screwfix is the UK's largest multi-channel supplier of Trade Tools, Plumbing, Electrical, Bathrooms and Kitchens with over 30 years' experience in the industry.

Presently there are three services (Trade Counters (TC), Contact Centre (CC) and Website (Web)) running as part of Screwfix and all these services are currently operating the Fareham data centers (DR)

As a part of this, Screwfix would like to conduct performance testing to ensure that the new changes in application architecture and application code is able to achieve new volume of orders placed for data center gives the same performance results as the previous code at Fareham Data Centre. The scenarios from last engagement performance testing on Fareham Data Centre will be re-used and last engagement results will be used for comparison.

#### **Contribution**

- Requirement analysis and preparing Test Plan and Test Strategy Document.
- Identification of scenarios for the evaluation of the performance of the application
- Developing scripts by using http/https protocol and preparing test script flow diagrams.
- Execution of scripts for Load, Stress and Stability Testing.
- Interacting with developers and other team members to resolve the various scripting and application related issues.
- Interacting with the client and the onsite coordinator for issues and queries in the project.

**Environment:** Load Runner, Performance Center, Dot Net, Web Service, SQL Server.

**Company: Techmahindra.**

**May/2011 to Apr/2014**

**Client: Cisco systems.**

**Role: Performance test analyst.**

**Responsibilities:**

- Involved in project planning, coordination and implemented performance methodology
- Developed Performance Test Plans and Test Strategies based on business requirements
- Conducted Performance testing using LoadRunner, Jmeter and Performance Center.
- responsible for the development of Vuser scripts for several different protocols such as Web (HTTP/HTML), Web Services, java vuser.
- Responsible for Performance Testing Java application.
- Responsible for scenario design, test execution and analysis using Performance Center.
- Monitored .Net Statistics, Load Balance and network traffic in each of the JVM's.
- Analyzed, interpreted, and summarized meaningful and relevant results in a complete Performance Test Report.
- Developed and implemented load and stress tests with LoadRunner and Performance center and performance statistics to application teams, and provided recommendations of how and where performance can be improved.
- Monitored and administrated hardware capacity to ensure that the necessary resources are available for all tests.
- Created Rendezvous points to simulate a scenario of multiple users performing the same action simultaneously.
- Manually correlated the session IDs and Database primary keys to save the dynamically changing value into a parameter by going to the body of the server response.
- Measure Response times at sub transaction levels for Web, App servers and Database server levels by using Optimal Application expert highly concentrated on Transactions per sec duration testing.
- Analyzed the load test results including transactions by drilling down, merged graphs (overlay graphs, correlate graphs), cross result graphs and auto correlating measurements and thus focusing or behavior patterns and identifying problematic elements using the Analysis tool.
- Monitored PERFMON Counters and windows resources such as, CPU Usage, % of Memory Occupied, I/O Stat.
- Created test strategies and conditions for load, stress, concurrent users, and network bandwidth scenarios.
- Assisted the project teams in identifying and documenting performance test requirements.
- Designed the performance test harness for execution on automated, performance, and endurance testing platforms.
- Worked with business and technology leads to identify the appropriate data for testing, and prepare that data for the test cases.
- Performed problem solving analysis and root cause for system functionality and testing challenges

using LoadRunner Analysis Tool.

- Interacted with Business Analysts, Developers and QA team members in different defect raising situations.
- Used SQL Queries to verify the data from the database

#### **Project #1: CDC Search – Cisco Dot com Search**

Cisco is the worldwide leader in networking that transforms how people connect, communicate and collaborate. CDC Search 2.0 is an external application. Cisco.com has a web search engine which facilitates any user to browse through the information about any product or Technology which is owned by Cisco. It receives query from the users and fetches corresponding information. Search is the most widely used application on the entire site. Worked on several releases of CDC Search (1.x, 2.x).

#### **Responsibilities:**

- Analyzed the Business requirements and site specifications to create scenarios for Load test and Endurance test.
- Developed the Test Plan and Test Cases for the module as per system delivery specifications (SDS).
- Worked with the development and management team to finalize the test plans and test procedures and execute the same.
- Manually executed the Test Cases to the test product.
- Created various Web Scripts for the application Using jmeter.
- Developed SQL Queries and Procedures to perform database testing.
- Worked extensively with Controller to Create Scenarios for different Load Tests.
- Executed various tests like Load, Endurance and Stress test.
- Monitored different graphs, Server performance Statistics using Performance Manager and Dynatrace 11.24.
- Analyzed Server performance Stats, Windows Resources and Database Server Resources etc. using Performance Manager Reports, Dynatrace Reports, Load Runner Reports and AWR

Reports.

- Extensively used tools like Jmeter, LoadRunner for few scripts, Performance Center, Performance Manager, and Dynatrace to analyze the System Bottlenecks like Memory Leaks, CPU Utilization and Network Bottlenecks etc.
- Analyzed the results to measure the Average CPU usage, Response times, Throughput and Transactions per second.
- Performance tested the 3rd party Web Service call using LoadRunner.
- Executed many Performance test cycles till the business critical transactions met the defined SLA's.
- Involved with deployment team to start/shut down and restart the servers.
- Involved in System testing and User Acceptance Testing. Also been a part of training team helping the end users in using the application.
- Coordinated regular daily/weekly meetings with Developers, Business users, hosting team and Performance team of the ongoing process.

**Environment:** Jmeter, HP Load Runner, Quality center, SQL developer, Dynatrace, Java, Windows 8, Unix, Oracle database, windows resources.

## **Project: Darwin CR2**

### **Description:**

Darwin is a business and IT transformation program and the first and most significant building block to deliver the B&Q's multi-channel offering. The Darwin program will deliver a web, call center and in-store solution to support the B&Q's multi-channel offering for both Retail and Trade (via Trade Point) customers.

Darwin is delivering the solution by incrementally building back-end functionality as a foundation and then using an agile development approach to support the iterative build of the front-

end elements of the solution. At appropriate points in time (when the functionality is deemed ready enough by the business) it will be released to the customer; major functionality as part of the Customer Releases (1, 2 & 3) and minor functionality as part of an ongoing iterative development process.

**Responsibilities:**

- Requirement analysis and preparing Test Plan and Test Strategy Document.
- Identification of scenarios for the evaluation of the performance of the application
- Developing scripts by using True Client protocol and preparing test script flow diagrams.
- Execution of scripts for Load Testing.
- Interacting with developers and other team members to resolve the various scripting and application related issues.
- Interacting with the client and the onsite coordinator for issues and queries in the project.

**Environment:** Load Runner, HTTP/HTTPs Protocol, Java, Web Servers, Application Servers, Oracle, SAP, STEP, MQ, ATG BCC, ATG technology.

**Project: Alfresco**

**Description:**

Alfresco deals with uploading, downloading of the documents related to Cisco and managing the permissions of the same.

**Responsibilities:**

- Requirement analysis and preparing Test Plan and Test Strategy Document.
- Identification of scenarios for the evaluation of the performance of the application
- Developing scripts and preparing test script flow diagrams.
- Execution of scripts for Load, Stress and Volume Testing.

- Defect raising using the HP Quality center.
  - Interacting with developers and other team members to resolve the various scripting and application related issues.
  - Interacting with the client and the onsite coordinator for issues and queries in the project.
- Reporting to client weekly basis.