**Chandrashekar A**

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**Summary**

• About 8 Years of hands on experience and exposure in all phases of project development lifecycle and Software Development Life Cycle(SDLC) right from Inception, Transformation to Execution which include Design, Development, and Implementation

• Interact with the Business and end users to gather requirements and develop (User Requirement Specification) URS documents.

• Experience in Performance testing of Web applications, APIs and Client/Server by using Load Runner.

• Experience testing applications built on Docker containers and managed through Kubernetes.

• Performance testing experience using HTTP/HTML, Web Click &Script, Web Services and multiple protocols

• Extensive experience in analyzing performance bottlenecks such as very high CPU usage, memory leaks.

• Develop performance scripts in Load Runner, JMeter and Silk Performer to test various business processes

• Proficiency in testing the applications compatibility on UNIX and Windows platforms

• Monitor server during Load testing to report call volume, mean, minimum, and maximum response time of all the method calls to server components using Silk Performer Server Analysis Module.

• Expertise in Manual and Automated Correlations to parameterize dynamically changing parameter values.

• Monitoring system resources such as CPU Usage, % of Memory Occupied, VM Stat, I/O Stat, Throughput and Hits/sec.

• Collecting the frequency of JVM Heap and Garbage Collection in WebSphere during test

• Ability to handle multiple projects with competing priorities.

• Individual with good analytical, inter personal and problem solving skills.

**PROFESSIONAL EXPERIENCE**

**Client: Delta Dental of Michigan, Lansing, MI October 2016- Present**

**Role: Senior Performance Engineer**

**Responsibilities:**

• Analyze the communications, informational, database and programming requirements of clients.

• Plan, develop, test, and implement software programs for engineering applications and highly sophisticated systems.

• Work collaboratively with Product Architects and Engineering organizations in the development of **performance testing strategy** and test plans for the product.

• Review and understand Nonfunctional Requirements (**NFRs**), map defined NFRs with product release functionality from performance and scalability testing perspective.

• Create baselines across all **online and batch jobs** and execute **capacity tests** to determine application readiness as per the business growth.

• Identify Code that is performance intensive and perform **root cause analysis** on all performance bottlenecks.

**• Monitor applications** and web server metrics like CPU, IO and Memory utilizations using **Dynatrace** application monitoring tool.

• Create test scripts for both Web HTTP/HTML applications and **REST API services**.

• Experience in writing moderate to complex **SQL** queries using SQL Developer to gather test data

• Monitored database activities and slow SQLs through OEM and analyzed AWR snapshots.s

• Extensively use **HP LoadRunner** and **JMeter** to create and execute test scripts and scenarios.

• Execute test, analyze results and provide solutions to performance bottlenecks. Perform hardware sizing to fulfil customer volume and **scalability requirements**.

• Configure and maintain Load generators to support **load balancing** the performance tests using HP Performance center.

• Perform tests on APIs and Backend applications. Analyze **JFRs** during test cycles.

• Participate in daily Scrum Meetings with development and management teams

• Interact with development teams and collect baselines before and after major code changes

• Experience in performance testing **Cloud based** applications, Angular JS applications and Containers.

• Design and execute test suites with scalable load to identify system failure points.

• Create and maintain Performance test results on release basis. Create release based performance trend graphs for transactional behavior analysis.

• Identify slow production business transactions, create test scripts and run in test environment for **performance tuning**.

**Client: ACI Worldwide, Edison, NJ Jan 2015-Sep 2016**

**Role: Senior Performance Engineer**

**Responsibilities:**

• Worked on Performance Testing Plans, Strategy and Deliverable documents for any project before and after performance testing of ERP application go-live.

• Prepared Test Strategy, Test Plan and Test Cases based on the non-functional business requirements to meet SLA timings.

• Utilized various performance tools such as Oracle Enterprise Manager, **PMON**, **NMON**, top and WebLogic console for monitoring database cluster contention, I/O, User, CPU activities and overall server(s) performance.

• Worked on **Silk Performer** 15.0 and 16.5 versions and **HP LoadRunner** 11.5 version for scripting.

• Performed baseline tests with multiple users and generated **Overview Reports** and analyzed **Response times** and Response at 90th percentile.

• Used **JVM Monitor** to identify frequency of garbage collection and Heap size.

• Executed Duration tests and used Templates in **Silk Performer Explorer** to generate Overview reports.

• Monitored CPU utilization, runtime processors and frequently checked Memory utilization and truncated logs during test.

• Monitored simulations on Application Server layers and Back-End systems.

• Tested Web Services using Soap Messages for event handling, Mapping transformations and Point to Point messages.

• Regularly updated the Performance Team’s **project plan** in MS Project after completing major tasks within deadlines and determined contingency plan(s) for other project-related activities.

• Developed functional and regression **VuGen Test scripts** for Java and .NET applications.

• Used **Dynatrace** monitoring tool to analyze transactions flow, Performance metrics and Hot Spots.

• Created **AWR snapshots** using **Oracle Enterprise Manager** and monitored the Top activity of the Database server.

**Client: Academy Sports, Houston, TX July 2013- Dec 2014**

**Role: Senior Performance Analyst**

**Responsibilities:**

• Responsible for analyzing application and components behavior with heavier loads and optimizing server configurations.

• Generated Performance Test plan in order to Execute Performance Testing Using **HP** **Load runner.**

• Responsible for Performance, **Stress & Regression testing** of Retail Management System.

• Used Web HTTP/HTML, Oracle NCA, Windows Socket, Web services and PeopleSoft protocols in HP LoadRunner.

• Ran Load and Stress tests with different number of users for different times.

• Worked closely with clients ,developers, project managers, and management in the development.

• Experienced in configuring **Load balancers** for performance testing.

• Tested web services applications using **SOAP Client** as well as by using WSDL Files.

• Extensively monitored the UNIX servers.

• Performed database scripting utilizing **Unix/Linux** and SQL programming language.

• Monitored Web sphere using **HP Diagnostics**.

• Created various VUser Scripts basing on the Critical Transactions used by the real time users using **VuGen** of Load Runner.

• Executed different scenarios using controller of Load Runner like Bench Marking, Increasing Load, **Stress and Soak tests**.

• Identified and eliminated performance bottlenecks during the development lifecycle.

• Worked closely with Production Managers, Technical Managers and Business Managers in planning, scheduling, developing, and executing performance tests.

• Interacted with developers during testing for identifying memory leaks, fixing bugs and for optimizing server settings at web, app and database levels.

**Educational Qualifications:**

• Masters in Electrical Engineering at Cleveland State University. GPA: 3.62

• Bachelors in Electronics and Communication Engineering at Jawaharlal Nehru Technological University Hyderabad. GPA: 3.82