**Neelam Rawat**

Performance Test Specialist

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Over **10.8 years** of diverse experience in the field of Software **Non-Functional testing (Performance, Security & Accessibility)** using various **Automation** tools. Experience in leading & taking multiple responsibility as a performance test lead. Able to handle multiple projects independently

Tools Experience

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| |  | | --- | | JMETER, Lighthouse, HP LOADRUNNER, Playwright, Sitespeed, Mobile Performance testing using Jmeter | | Programming: Core Java & C  Scripting- Javascript | | Jmeter integration with Jenkins, Jmeter integration with BDD Cucumber Framework | | ALM Performance Center | | Playwright-Lighthouse Automation, Lighthouse integration with Jenkins and BDD Cucumber Framework | | MQ Explorer, WINSCP, Putty | | Confluence, Jira, HP ALM QC | | AppDynamics , Sitescope, IBM Tivoli alert | | NMON, Perfmon, Sitespeed | | Burp suite and Fiddler for Security Test & HTTP debugging | | SQL Server, Oracle SQL Developer | | App/Web Server: IBM WAS 8, Web logic 8.1, JBOSS Apache Tomcat, Window, WebSphere 6.0/7.0/8.0 |   Certifications   |  | | --- | | Certified PtU Certified Performance Tester with Jmeter (CPTJM) | | Chartered Institute for Securities & Investment (CISI) - Introduction to Investment and Securities (Banking and Financial investment domain) | | Certification - Fundamentals of Insurance Domain. |   Achievements   |  | | --- | | Received multiple Client appreciation email and rewarded with **Customer Choice Award** for successfully integrate UI performance tool-Lighthouse with automation tool- Playwright | | Received Client appreciation email to successfully deliverables two major projects single handled NFT phase. | | Award- BIRLASOFT Best Team award for Performance & Automation framework | | Rewarded as Dependable STAR performer for creating & maintaining Performance scripts before scheduled time and always ready to take challenges. | | Rewarded **Pat on the Back** for delivered 0 defects during Arcot Advisor release. | | Got **Customer Choice award** for performance testing, penetration testing and for consistently delivering high quality deliverable. | | Got **Team award** for ADA project from SEI client |   Education   |  | | --- | | Master Of Computer Applications (MCA) (2009 - 2012) | | Bachelor of Computer Application (BCA) (2005 – 2008) | | High Secondary School, CBSE | | Secondary School, CBSE | | * Expertise in Performance Test Planning, Prepare estimation plans, Performance Test Strategy, and Performance Test closure Reports & Defect Report. * All client interaction & documentation of every project which includes Requirement gathering, test approach & strategy, overall project plan, review of day-to day status, weekly status to client, final report of deliverables and effort estimation.      * Strong Experience in performance testing using Jmeter for API and web-based application from scratch to test result sharing to client. Also experience in mobile performance testing and load testing using Jmeter * Extensive experience in Performance Testing using LoadRunner & Performance Center Tools. Strong experience in Performance, Load, Volume, Stress and Load testing using HP Mercury LoadRunner tool 11.0, 11.5, 12.20 version and execution & managed script by using ALM Performance Center 12.20 using Web Http/html, AJAX Truclient (Firefox and IE), Flex and Web Service protocol. * Successfully completed POC and prepared an automation framework for UI Performance Testing tool using Lighthouse with Playwright automation tool. Also integrated this automation with Jenkins pipeline job, SonarQube code inspection. Executed full automation FW via BDD Cucumber and generated multiple reports for multiple tools like Lighthouse Audit Report, BDD Report, Playwright Report, SonarQube Code analysis report, HAR report. * Experience in defining Testing Methodologies, Designing Test Plans and Test Cases, Verifying and Validating Application Software and Documentation based on standards for Software Development and effective QA implementation in all phases of Software Development Life Cycle (SDLC) * Worked on Tool POC for application performance testing and understand the NFT infrastructure suitable for POC. Created NFT Automation framework in Jmeter & Integrated with Jenkins for automates test results reporting. * Create NFT testing scripts & framework to drop message in MQs via Jmeter and prepare test build and execution & customize report via Jenkins. Also prepare NFT scripts for GUI application in Jmeter. Automate the process of collecting AWR report & NMON generation using Jmeter & jenkins * Experience in Developing and Maintaining Test Scripts, analyzing bugs and interacting with external team & client in fixing the defects. Prepare defect report & all status to external team SME. Analyzed Performance test results and generated test closure reports. Exposure on Performance monitoring tools like AppDynamic, HP Sitescope, Nmon, Perfmon. * Hands on experience using UFT 12.02 to automate & maintain web application regression automation test scripts and few month hands on in Penetration Testing tools. * Desktop Compatibility testing using Physical machine or cloud computing Cross browser testing tool. Web application penetration testing using Burp suite, and Fiddler tool. * Experience in Accessibility testing of ASP.NET website to be ADA (Americans with Disabilities Act) compliant in order to meet WCAG 2.0 Accessibility requirements using JAWS (Windows Screen Reader desktop software) and NVDA (free open source screen reader) tool. * Proficient with SQL SERVER, SQL Developer database testing to validate the data in the application with the data records in backend and calculate TPS queries for backend performance test. * Hands on experience on Soap UI for Web services testing and SONAR code review tool. Hands-on experience on Debugging tools usage: http watch, fiddler etc. * Also worked on tools like bug tracking system JIRA, HP ALM. Hand on experience with Confluence tool to daily basis status update, meeting notes, project repository and prepared weekly project status report that linked with Jira.   Role and Responsibilities   * Lead the offshore teamwork for NFT test phase to ensure smooth work and raise any challenge faced to onshore NFT architect. On-Shore Client Interaction on daily basis to track offshore work easily. Daily Interaction with business stakeholder, external team & client to discuss daily status & support required for performance testing over meeting. * Prepared non-functional requirement from HLD, LLD & scope document identify NFT in scope scenario & impacted functionality. Converting those NFRs into test objective. Prepare NFT approach and build Performance test scenario, Jenkins CI integration as per NFRs and prepare NFT test closure report at the end of release execution for detailed scenario execution results. * Active Involvement in NFT Test Planning, Effort Estimation, Work Division. All NFT phase respective document walk through with client & all integration team & get sign off from all key stakeholder. * Prepare Non-functional test approach from NFR, QA Strategy. Preparation of test plans, test cases and execution & reporting. Ability to write test cases and test scenario, review, run and generate test reports. Preparing defect report, and defects tracking using bug tracking tool. * Created Performance testing scripts for Web application & web service using VuGen and enhanced scripts using parameterization, correlation, run time setting & various LoadRunner API function. Work division for NFT execution on release timelines. * Identifying Bottleneck issue like Java Heap Space, Memory leaks, Code flaws, Database improper design structure, improper use of Index. Communicated this NFT defects to Development & Integration team. * Worked on POC where Jmeter scripts successfully executed in OpenShift environment. Completed many POC to execute test on cloud and Save result on Grafana on the fly. * Requirements Traceability Matrix creation. Mapping test cases with business requirements using traceability matrix for Identifying Test Coverage. |

**Organization Experience**

**27 Nov 21 – Currently with IBM as Performance Test Lead**

* **Project : Discover Financial System**

**Tools :** Jmeter, Playwright- Lighthouse, Jenkins, BDD Cucumber, AppDynamics. Grafana

**Responsibilities :** I am managing the offshore NFT team and working on different short-term sprints and perform testing with use of jmeter, AppD and Grafana tools. Communicated the results and recommendation to the client and business team. Worked on many POC related to lighthouse, Playwright, Jmeter script integration with BDD Cucumber, Jmeter script execution on OpenShift etc

**Mar 18 – Nov 21 HCL Technologies ltd as Performance Test Lead.**

* **Project : GPPSP Payments (Client: Bank of Ireland)**

**Tools** :JMETER, Jenkins, HP LoadRunner, HP Performance Center, HP ALM, NMON, Perfmon, IBM Tivoli Alert, Oracle SQL Developer, Confluence, Jira, ELK

**Responsibilities** : Prepared NFT Test execution plan, Test approach, automate performance framework from scratch & walk through all NFT related doc to all stakeholder, Prepared all backend & GUI scripts, Prepare effort estimation plan. Prepare test plan, requirement & test execution per cycle in Jira, Also prepared A&I test approach & test cases from infra & app LLD. Define the scope for OAT & walkthrough.

* **Project :** **Net Reveal PE to CTO & DowJones SSW Upgrade (Client: Bank of Ireland)**

**Tools** **:** JMETER, Jenkins, HP LoadRunner, HP Performance Center, HP ALM, NMON, Perfmon, IBM Tivoli Alert, Oracle SQL Developer, Confluence

**Responsibilities** : Automate performance framework from scratch, prepare all backend, Prepare effort estimation for automation & execution as per the overall plan. Prepare test execution per cycle & defect update in Jira, Integrate confluence with Jira for weekly status report & defect report. Communicate all the project status with external team & BOI client.

**Dec 2016 – Feb 2018 – BIRLASOFT as Senior Performance Tester.**

* **Project :** **TMNAS Insurance (Client: TMNAS)**

**Tools :** LoadRunner 12.02, Performance Center 12.02, HP ALM12.02, HP UFT 12.02, SQL.

**Responsibilities** : worked as individual contributor, responsible for performance test & engineering for all TMNAS client application. Design, Develop, Execute and Analyze Performance Test. Worked on multiple POC for new application & Interface.

**Sep 2012 – Nov 2016 - NIIT Technologies Ltd as QA Analyst.**

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| **Project** | **Tools** | **Responsibilities** |
| StrataWeb –Custom Reporting Tool (Client: SEI Investments | Performance Center, Burp suite, LoadRunner 12.02, PVCS bug tracking tool, SONAR (code review tool), Winscp, Fiddler tool | * Design, Develop, Execute and Analyze Performance Test for complex applications and systems. Providing sign-off (Pass/Fail notification) for production changes * Analyze data gathered from performance test runs, provide sound recommendations for performance improvements, and identify bottlenecks of applications * Provide tools and frameworks to engineering teams to benchmark and measure performance of the products during the development life cycle. Support Performance Manager in upward stakeholder management, status report development, metrics, etc. Provides inputs and assist with the development of continual process improvements |
| ADA Implementation in SEI application (Client: SEI Investments) | ADA compliant testing via JAWS and NVDA tools, and font and color contrast testing via Color Contrast Analyzer, Burp suite, LoadRunner 12.02, PVCS bug tracking tool, SONAR (code review tool), Fiddler tool |
| ARCOT System Customization (CA Technologies) | Performance Center, Burp suite, LoadRunner 12.02, PVCS bug tracking tool, SONAR (code review tool), WINSCP, Fiddler tool, SQL server 2008, SSIS Package |
| StrataWeb Application Server Window server 2012 OS migration | Performance Center, Burp suite, LoadRunner 12.02, PVCS bug tracking tool, SONAR (code review tool), WINSCP, Fiddler tool, SQL server 2008, JIRA |