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| Meher SaranguSenior Software QA Engineer/Lead |
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***A dynamic and a result-oriented Software QA Engineer/Lead with 9+ years of experience in the IT Industry. Expertise in leading testing effort with the product teams, development teams, onshore and offshore QA teams. Managing design, development and execution of the entire test process, track and report the progress. Proficient in defining Testing methodologies and ensure remarkable results.***

**PROFESSIONAL SUMMARY**

* Experience in working on different phases of Software Development Life Cycle (**SDLC**) and Software Testing Life Cycle (**STLC)** including **Agile Methodology/SCRUM** and **Waterfall** methodologies.
* Experience in **Creating Test Plans**, **Test Scenarios, writing and executing Test Cases, Task Scheduling, Manual Testing and Automated Testing, Defect Tracking, Test Coverage and Test Summary Reports** and well versed in different management scenarios like **Quality Assurance** and **Change control**.
* Experienced in attending **Sprint Planning Meetings**, **Requirements Grooming Sessions, Scrum Meetings**, **Sprint Review Meetings**, **Sprint Retrospective Meetings** and worked very closely **with Product Owners** and **Scrum Masters** in **Agile Projects**.
* Handled several High complex, compliance, risk, Infrastructure, downturn initiatives as **E2E QA Lead** and responsible for the overall Testing deliverables on Projects.
* Lead the QA team in the development of the technical solutions, translating the business needs into testing requirements, identifies gaps, strategic impacts, financial impacts and the risk profile in the technical solution.
* Created **Dashboards** in **ServiceNow** and **Jira** as per business requirement to track the production incidents.
* Excellent knowledge and experience in working with open-source automation testing tools **WebDriverIO, JavaScript, Selenium (Selenium Web Driver** and **Selenium Grid**), Web Services **SoapUI, Ready API and PostMan,** Unit testing Frameworks such as **JUnit and TestNG,** Test Management tools **JIRA, ALM and BugZilla.**
* Experienced in setting up full **CI/CD** Process right from creating the **Jenkin** jobs for various test suites and setting up pipeline dependencies and **automated** **scheduling**.
* Implemented different automation frameworks like **Data-Driven Framework, Keyword-Driven Framework, Cucumber Framework, Hybrid Framework**, **Behavior Driven Development Framework/Acceptance, Page Object Model** Framework**,** using **Selenium WebDriver** for many projects.
* Worked extensively in writing and executing **Selenium WebDriver automation scripts** in Java for **cross browsing testing**.
* Set up and Executed **FTP** sessions with the remote server using **FileZilla** as FTP Client
* Verified proper transfer of files of various size from the client to the remote server and vice versa.
* Encrypted files using **Kleopatra** and transferred **PGP** to a remote server using FTP protocol.
* Tested the **FTP, SFTP** based transfers with the help of client software such as **FileZilla.**
* Deep understanding of **DevOps** engineering practices and implementation approach and solutions.
* Utilized **Kubernetes** for the runtime environment of the CI/CD system to build, test deploy.
* Expertise in using different **Spying tools** like **Firebug** and **Firepath** element as a **Firefox** add-on for addressing web elements using locator’s **ID, Class name, CSS Selector, Xpath etc.**
* Experience in **Java** programming language using IDE tool **Eclipse** and unit testing frameworks such as **JUnit,** **TestNG unit testing frameworks** in creating test scripts, test suites and HTML reports.
* Hands on experience in using project building tools like **MAVEN** in adding dependencies by maintaining in **pom.xml** file and on version control tools like **SVN, GIT**.
* Experienced in using Test Management tools such as **HP Quality Center (QC)/Application Life Cycle Management (ALM), Rally, JIRA and Bugzilla** bug reporting tools to track test progress, test execution and deliverables.
* Experienced in performing **Continuous Integration (CI) and Continuous Delivery (CD)** automation using **Jenkins** tool for scheduling the jobs and expertise working on configuration management tool **Subversion.**
* Good experience in **Web Services testing using SOAPUI** & XML.
* Participated in **Requirement review meetings**, **analyzed requirements**, developing **test plan** and **test cases**, **Requirement Traceability Matrix**, **Defect Management**, **Reporting** and **Tracking**.
* Expertise in writing **SQL Queries** and performing **Database Testing** including data integrity and data validation testing.
* Worked with **Cross functional testing teams** and developers for closing defects.
* Proficient in performing different kinds of testing like **Smoke, Sanity, Functional, GUI, Backend, White Box, Parallel Testing, Integration Testing, Regression Testing & UAT**.
* Performed duties as an individual contributor, managed multiple projects and tasks simultaneously.
* Highly motivated, self-starter able to work independently and collaboratively within a diverse technical team.
* A keen communicator with honed interpersonal, problem solving and analytical abilities. Working with the local leads in **managing the project deadlines** and allocating the workload to the resources.
* Responsible for **developing**, **maintaining** and **compliance** of **Quality aAsurance** testing strategies, policies, procedures, standards, templates and governance.

**TECHNICAL SKILLS**

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| Methodology | Agile, Waterfall |
| Automation Tools | WebdriveIO, Selenium WebDriver. |
| CICD Tools | Jenkins, GitHub |
| Frameworks | Data Driven, Keyword Driven, Hybrid, BD, JUNIT, TestNG, Cucumber Framework |
| Build /Integration Tools | Maven, Ant, Jenkins |
| Test Management Tools | Rally, JIRA, HP ALM, Bugzilla |
| Web Service Tool | Rest Assured, Soap UI, Ready API, Rest Client, PostMan. |
| Programming Languages | Java, JavaScript, XML, C |
| Database/Database tools | SQL Server, Oracle, MySQL,DB2, Putty, DBeaver, CosmosDB  |
| Development Environment | Eclipse |
| Version Control Tools | GIT, SVN |
| Web Debugging Tools | Browser Developer Tools, Xpath, Firepath, Firebug |
| Protocols | HTTP, HTTPS, TCP/IP, SOAP, REST, FTP, SFTP |
| Operating Systems | Windows, Linux, Unix |

**EDUCATION**

**Doctor of Philosophy Jan 19 - Present**

University of Cumberland’s, Kentucky, USA

**Master of Science in Computer Science**  **Aug 14 - Jan 16**

Southern New Hampshire University, New Hampshire, USA

**Bachelor of Technology in Computer Science and Engineering Jul 08 - May 12**

Jawaharlal Nehru Technological University, Hyderabad, India

**WORK EXPERIENCE**

**Client: Walmart Labs June 2018 – Present**

***Sr. QA Engineer/Lead***

* Interacted with Client, Product Owner and Development team to understand the **User Stories** and **Acceptance Criteria** and gathered **Functional and Non-Functional requirements** for project release.
* Supervised and led 13 QA engineers including offshore to ensure quality releases under aggressive schedules.
* Involved in **Requirements gathering** and reviewed **Business Requirement Specification documentation** and participated in reviewing and preparing **Test cases** based on **Product Backlogs**.
* Coordinated with Walmart pharmacists and technicians during **User Acceptance Testing** (UAT) and assist them to ensure that application was user friendly and functioning according to desired requirements.
* Responsible for maintaining open communication with project leaders and upper management to ensure that QA was informed of priorities, deadlines, project status and release plans.
* Developed several **Jira Dashboards** to track the QA progress and showcase them for higher management.
* Prepared and published **Test Summary Reports** at the end of the day with the results of readiness of system deployment to production/test environments.
* Designed, developed and executed automated tests using **TestNG framework**.
* Performed **Functional Testing, Integration Testing, System Testing, Positive Testing, Negative Testing, GUI Testing, UAT Testing**.
* Raised defects and performed tracking using **JIRA** and reported to developers and test manager.
* Manually validated web services using **SoapUI, Postman** tools for **integration testing**.
* Perform **Splunk** log analysis for the errors thrown at server level and report the issues to the developer with server level details.
* Attended **Bug Meetings** and meetings along with other QA Leads, Managers and Developers for query resolution.
* Preparation of training documents for knowledge and responsible for documenting **Root Cause Analysis** on **JIRA Confluence**. Review of all documents for client deliverables.
* Responsible for integration, System, Release and Production QA signoff.

**Client: Sprint Feb 2016 – May 2018**

***SQA Engineer***

* Involved in **Requirements gathering** and reviewed **Business Requirement Specification documentation** and participated in preparing **Test cases** based on **Product Backlogs**.
* Involved in testing of application using the **Scrum (Agile) Methodology.**
* Involved in **Regression Testing** using **Selenium** and creation of **Automation Scripts** for web pages.
* Implemented successfully from scratch the ongoing extensive **continuous** effort of scripting and automating jobs using **GITHUB**.
* Created a Page Object model framework using **WebDriverIO** by utilizing **JavaScript**.
* Performed **Functional Testing, Integration Testing, System Testing, Positive Testing, Negative Testing, GUI Testing, UAT Testing**.
* Raised defects and performed tracking using **JIRA** and reported to developers and test manager.
* Automated web services (both **SOAP and REST**) by selenium using **XML/Json** parsing technique.
* Manually validated web services using **SoapUI, Postman and ReadyAPI** tools while **integration testing**.
* Responsible for integration, System, Release and Production QA signoff.
* Perform **Splunk** log analysis for the errors thrown at server level and report the issues to the developer with server level details.
* Attended **Bug Meetings** with the QA Leads, Managers and Developers for query resolution.
* Co-ordinate with offshore (Dev & QA) teams and ensure the quality of deliverables.
* Preparation of training documents for knowledge sharing.

**Southern New Hampshire University**  **Sep 14 – Dec 15**

***Research Assistant***

**Project**: Graduate Advising System.

* Helps Construction management students with their initial schedule planning and enrollment into subjects.
* This will advise students in choosing their courses for the near-term semester based on their previous credits and will notify them about the pre-requisites and the schedule conflicts.

**Project:** Online Petition System.

* Automated the manual Petition System which involves lot of manual work in reviewing the petitions that are submitted by the students.
* Generates PDF document with the user input data for processing the petitions.
* Developed two modules where one is for the students and the other is for the admins who review the submitted petitions.

**Client: Google Maps May 13 – Jul 14**

***Software Quality Engineer***

* Involved in Agile methodology reviewed the **Product Backlogs, User Stories, Acceptance Criteria** and **Technical design specifications** document.
* Interacted with the Project Manager, Business Analysts and Developers to understand the application design and functional specifications.
* Developed **Test plan, Test Scenario Design, Test cases, Test scripts** from the data mapping documents, Functional Specification documents and mapped the test cases with the requirements for generating the **Requirement Traceability Matrix (RTM).**
* Used **Selenium WebDriver** to develop **automation testing scripts** for web and client server applications.
* Implemented **Hybrid automation test framework** with **Selenium WebDriver**, **Java** and **TestNG** and **Database** as source of Test Data.
* Performed **Compatibility Testing & Cross browser compatibility** testing on Chrome, Firefox, IE browsers using TestNG.
* Implemented **Page Object Model Automation framework** with **Java**, **Selenium Web Driver** and **Cucumber**.
* Created **test reports** generated out of **TestNG** and captured the **error screenshots**.
* Interacted with the Development team and the Environment team in prioritizing the **defect list** and validating known as **bug fixing**.
* Found Defects, **analyzed**, prepared **Defect Reports** and **Status Reports**, performed **Bug Triage**, **Defect Tracking,** and **reviewed** the defects using **HP Application Life Cycle Management** (ALM) bug tracking tool.
* Shared **Daily Status Reports** with all the team members, Team Leads, Managers and Clients.
* Used **Jenkins** tool for continuous integration of the builds.
* Performed testing on the **Web Services API’s** using protocols like **HTTP, HTTPS, SOAP and WSDL** using **SoapUI** tool related with various interfaces.
* Performed Backend testing to validate and retrieve the data from the database and used **SQL Server** to execute SQL queries.
* Coordinated with Business Analyst during **User Acceptance Testing** (UAT) and assist the user to ensure that application was user friendly and functioning according to desired requirements.
* Generated weekly **Status Reports** to the team manager and participated in daily **standup meetings,** weekly **Status Meetings** and **Scrum meetings** with Team members, Team managers, Business analysts and Technical team and end-clients.

**Client: Amazon.com Nov 11 – Feb 13**

***Software Quality Engineer***

* Involved in QA Docs (**Test Plan, Scenarios, RTM, Test Case Design**), Peer Reviews, Test.
* Designed & Implemented a Hybrid Test Automation Framework using Selenium WebDriver.
* Performed **GUI functional testing**manually for the application.
* Expertise in **Test Plan creation, Test Case Design, Test Case Review, Test Case Execution, Writing Test scripts, testing tools Usage, Defect management, and Prepare Test reports**.
* Designed and reviewed the test scenarios and scripts for given functional requirements and automated test cases in **QTP**.
* Designed **data-driven testing** in QTP and captured data dynamically from web controls.
* Developed automation test cases, executed these test scripts from test lab and **logged defects** in **Rally**.
* Performed **Functional, System and Regression Testing** on web applications at various phases of the Project life Cycle.
* Setup /Installed and Configured Selenium IDE.
* Record and plays back test in Firefox using Selenium IDE for UI automation testing. Created test scripts and automated them by using Selenium IDE.
* Performed browser compatibility testing of application under various cross browsers (Safari, Firefox, IE, Chrome) using HTML IDs and XPATH in Selenium WebDriver.
* Involved in implementing logging and tracking using **Bugzilla**.