**Swaroopa**

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**Professional Summary:**

* Experienced QA Automation Engineer with over 9+ years of experience in software testing and automation.
* Extensive experience in designing, developing, and executing automated test scripts.
* Skilled in testing web and mobile applications, APIs, databases, and other software systems.
* Expertise in agile methodologies, test-driven development, and continuous integration and delivery.
* Worked extensively on test management tools such as JIRA, TestRail, and Zephyr.
* Strong experience in defect tracking, bug reporting, and troubleshooting.
* Familiarity with cloud platforms like AWS and Azure, and ability to integrate testing within the CI/CD pipeline.
* Experience in collaborating with cross-functional teams, including developers, business analysts, and project managers.
* Familiarity with version control systems like Git and SVN.
* Expertise in implementing and maintaining test automation frameworks using [tools and frameworks].
* Hands on experience in testing techniques such as black box, white box, and grey box testing.
* Experienced in testing software applications using various operating systems like Windows, MacOS, and Linux.
* Skilled in performance testing, load testing, and stress testing using tools like JMeter, LoadRunner, and Gatling.
* Familiarity with test design techniques like equivalence partitioning, boundary value analysis, and pairwise testing.
* Expertise in using Selenium WebDriver for web application testing
* Hands on experience in test driven development (**TDD**), Behavior driven development (**BDD**) with **Cucumber** and Acceptance Test Driven Development (**ATDD**) approaches.
* Strong understanding of object-oriented programming concepts.
* Experience in testing mobile applications using Appium or other mobile testing frameworks.
* Familiarity with containerization technologies like Docker and Kubernetes.
* Knowledgeable in creating and executing SQL queries for database testing.
* Strong problem-solving skills and ability to think critically.
* Ability to work independently as well as in a team environment.
* Good communication skills and ability to explain technical concepts to non-technical stakeholders.
* Knowledgeable in software development life cycle (SDLC) methodologies such as Waterfall and Agile.
* Passionate about quality assurance and committed to delivering high-quality software products.

**TECHNICAL SKILLS:**

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| **Programming Languages** | Java and Java Collection, JavaScript, HTML,OOPS. |
| **Automation tools and framework** | Selenium WebDriver, Selenium IDE, Junit, TestNG, XPath, Postman, REST Assured, Cucumber |
| **Databases** | Oracle 9i/10g/11g/12c, SQL Server 2010,2012,2014, MySQL |
| **Defect Tracking** | JIRA, Rally, IBM Clearquest.  |
| **IDE** | Eclipse |
| **Test Case Management Tools** | JIRA, TestRail. |
| **Continuous Integration Tools** | Jenkins |
| **Build Automation Tools** | Maven |
| **UML Tools/ other tools**  | Selenium, Maven, JUNIT, Jira, Bugzilla, Clear Quest, Log4j, Modular Framework, Hybrid framework |

**PROFESSIONAL EXPERIENCE:**

**Client: Nutrien, CO**

**Role: QA Automation Engineer(Development) Dec 2021 – Till Date**

**Responsibilities:**

* Designing and implementing automation frameworks and test suits for web, mobile, and desktop applications.
* Developing and maintaining automated test scripts using programming languages such as Java, Python, and C#.
* Experienced in Design and implement software of embedded devices and systems from requirements to production and commercial deployment.
* Experienced in Design, develop, code, test and debug system software.
* The implementation and Review code and design.
* Collaborating with cross-functional teams, including developers, business analysts, and project managers to identify testing requirements and scope.
* Creating and executing test plans and test cases for functional and non-functional testing.
* Identifying and documenting defects and issues found during testing and working with developers to resolve them.
* Developed the BDD framework from the scratch with Page Object Model (POM) using Selenium WebDriver, Junit, Maven and Core Java.
* Linux is used as an embedded OS for a variety of applications, including household appliances, automotive entertainment systems and network file system appliances.
* Creating and maintaining testing environments, test data, and test tools.
* Performing manual testing as needed to supplement automated testing efforts.
* Experienced in Wireshark is an open source tool for profiling network traffic and analyzing packets. Such a tool is often referred to as a network analyzer, network protocol analyzer or sniffer.
* Creating and maintaining test documentation including test plans, test cases, and test reports.
* Participating in agile ceremonies such as sprint planning, daily standups, and retrospectives.
* Integrating automated tests within the CI/CD pipeline using tools such as Jenkins, CircleCI, or Travis CI. Wireshark has many uses, including troubleshooting networks that have performance issue.
* Collaborating with DevOps team to ensure automated testing infrastructure is up to date and functional.
* Developing and implementing performance, load, and stress testing scripts using tools like JMeter, LoadRunner, and Gatling.
* Identifying and implementing test automation improvements to optimize testing processes and reduce testing time.
* Providing accurate and timely testing status reports to project stakeholders.
* Maintaining knowledge of industry trends, tools, and best practices related to automation testing.
* Experienced in Iperf is a commonly used network testing tool that can create TCP and UDP data streams and measure the throughput of a network that is carrying them.
* Conducting code reviews to ensure test scripts adhere to coding standards and best practices.
* Troubleshooting and resolving issues related to test automation scripts and test execution.
* Managing and prioritizing test automation backlog items.
* Creating and maintaining testing dashboards and reports to track testing progress and provide visibility to project stakeholders.
* Experienced in Internet Performance Working Group, is an open-source speed test and network performance measurement tool.
* Participating in the release process and ensuring all testing requirements have been met before software is released to production.
* Leading and mentoring junior automation engineers on the team.
* Experienced in C programming language is a machine-independent programming language that is mainly used to create many types of applications and operating systems .
* Participating in continuous improvement initiatives to enhance testing processes and methodologies.
* Experienced in Common Linux distributions include Unbuntu, Debian, and Fedora. A few other types of Linux are based on Debian or Red Hat and are designed to perform specific functions based on a user's needs.
* Providing support to users and stakeholders during UAT (User Acceptance Testing) phases of the project.
* Experienced in Design, develop, code, test and debug system software.
* Participating in post-implementation reviews and providing recommendations for future improvements.
* Experienced in Linux is an operating system. In fact, one of the most popular platforms on the planet,

**Environment:** Java, Python, C#, JMeter, LoadRunner, Gatling, CI/CD, Jenkins, CircleCI, Oracle, COM,

JavaScript, SeleniumIDE/ WebDriver, Java, TestNG, Junit, XML, soap UI, JIRA, Apache-Maven, and

GitHub

**Client: Stanley Black and Decker, CT Jan 2018 – Nov 2021**

**Role:QA Engineer**

**Responsibilities:**

* Reviewed Business requirements, IT Design documents and prepared Test Plans for all assigned project releases.
* Implemented automation testing using Java, JUnit framework and Selenium (Web driver) for web application.
* Designed, Maintained and executed daily automation regression suites and running Smoke Test daily twice after build.
* Developed API automation scripts for applications on CA Devtest.
* Developed Selenium based automated API testing using Page object model, data driven and TestNG.
* Experienced in Internet Performance Working Group, is an open-source speed test and network performance measurement tool
* Created automated test suite, volunteered and reduced total test execution time by configuring tests to run parallel on Selenium grid.
* C is an imperative procedural language, supporting structured programming, lexical variable scope and recursion, with a static type system.
* Experienced in Design, develop, code, test and debug system software.
* Performed the API Web Services testing using SOAPUI tool.
* Experience in performing database testing using Selenium and CA DevTest.
* Used filters, assertions, datasets, staging Documents in CA DevTest tool.
* Performed GUI testing, regression testing and end to end functionality testing of the application.
* Created automated test scripts using Selenium and JUnit.
* Design, develop and implement Page Object Model Pattern based on Keyword Driven automation testing framework utilizing Java, Test-NG and Selenium Web-Driver.
* Participated in Test automation development and execution using Coded UI and C#.
* Contributed to the Continuous Integration pipeline running component builds, creating and running
* It was designed to be compiled to provide low-level access to memory and language constructs that map efficiently to machine instructions, all with minimal runtime support.
* Deployment jobs on individual stages on Jenkins, and running automated and manual functional tests.
* Configured and Maintained dependencies required for the module in Maven Configuration file.
* Extensively used SQL scripts/queries for data verification at the backend. /2
* Performed functional testing of SOAP and RESTFULL Web Services using SOAP UI Tool.
* Developed test harness for Web Services automated testing by means of SOAP UI and ANT.
* Interaction with Project Managers to discuss on ongoing project and QA strategy which needs to be followed.
* Worked on Web services testing using automation tools SOAPUI pro and CA Devtest
* Assist QA Team with defining and implementing a defect resolution process including defect priority, severity, next steps, and assigned owner.
* Wrote test cases, implemented ran and added versions and iterations using Test Manager for positive, negative and END-TO-END Test cases.
* Identified and reported bugs using defect tracking tool HP Quality Center and presented bug reports for weekly status updates.
* Worked in a highly dynamic AGILE environment and participated in scrum and sprint meetings.

**Environment:** Selenium WebDriver, Rally, JIRA, JUnit, TestNG, CA DevTest,Cucumber, ASP.Net, Maven, Eclipse, Java, Xpath, HTML, CSS, Oracle SQL, UNIX.

**Client: ServiceLink, TX July 2015­ – Dec 2017**

**Role: QA Engineer**

**Responsibilities:**

* Designing and implementing test plans and test cases.
* Performing functional and regression testing.
* Writing automated test scripts using testing frameworks.
* Debugging and troubleshooting issues.
* Working closely with developers and other team members to ensure timely and effective defect resolution.
* Creating and maintaining test data.
* Analyzing user requirements and ensuring that testing is aligned with those requirements.
* Creating and maintaining documentation of testing processes and results.
* Conducting exploratory testing to identify defects that may not be covered by formal testing.
* Collaborating with cross-functional teams to ensure quality throughout the software development life cycle.
* Participating in code reviews and providing feedback on code quality from a testing perspective
* Developing and maintaining test automation frameworks
* Monitoring and analyzing test results to identify trends and patterns.
* Participating in continuous integration and deployment processes.
* Performing load and performance testing.
* Participating in agile development processes such as sprint planning, retrospective, and daily stand-up meetings.
* Ensuring that testing is conducted in an ethical and professional manner.
* Identifying and mitigating risks related to software quality.
* Providing feedback to improve software quality and testing processes.
* Developing and maintaining test environments
* Defined functional test scripts in Robot framework using Python
* Coordinating testing efforts across multiple projects or releases
* Mentoring junior members of the QA team
* Managing and prioritizing multiple testing tasks simultaneously
* Staying up to date with industry best practices and emerging technologies related to testing
* Communicating effectively with stakeholders about testing progress and results.

**Environment:** Selenium WebDriver, Appium, Cucumber, TestNG, JUnit, Robot Framework, Postman, REST-assured,SoapUI, CI/CD, Jenkins, Travis CI,CircleCI, Git, SVN, Mercurial.

**SLK Software Solutions, India Feb2014 – May 2015**

**QA Engineer**

**Responsibilities:**

* Analyzed system requirements and developed detailed Test Plan, Test cases.
* Conducted Functionality, Security Testing.
* Participated in reviews, high level design walk through and evaluations of the application at all stages of SDLC.
* Performed smoke, functionality, integration, end-to-end, system, regression and user acceptance testing and documented the test results.
* Managed the testing process, bug reporting, test results, track the progress of the testing, and provide daily status to test lead / project manager.
* Interacting with Business Analysts to discuss about the requirements.
* Interacting with Developers to discuss about the requirements/status of the defects.
* Extensively involved in Manual testing the GUI/User interface screens.
* Involved in gathering test Data for User Acceptance Testing and executed the same.
* Developed SQL statements to query the database for consistency of data, data quality, and data storage and data retrieval.
* Interacted with Development teams to ensure overall quality of the software
* Investigated software bugs and interacted with developers to resolve technical issues.
* Extensively involved in Functional and regression testing.
* Timely and efficient entering, tracking, maintaining and updating defect logs in Quality Center.
* Involved in writing the **UNIX scripts** and **UNIX commands** and validate the log files in UNIX environment.

**Environment:** Agile, Quality Centre 9.0, VBScript, HTML & DHTML, SOAP UI, Windows, UNIX, Toad, SQL Server, IE, NS, XML,WSDL,XSD, TCP/IP, FTP.

**EDUCATION**:

* Bachelor’s Degree (computer science) from Osmania University.
* MBA from Osmania University