**Deepak Koganti**

**QA Automation Engineer**

**Email: Deepak.koganti007@outlook.com**

**Contact: +1 469 270 0888**

**Professional Summary:**

* With over **8+** years of extensive experience in Software Analysis and Quality Assurance Testing spanning diverse sectors including Insurance, Financial, and Healthcare, I bring a robust skill set characterized by meticulous attention to detail and a steadfast commitment to excellence.
* Proficiently managed all facets of the **Software Development Life Cycle (SDLC) and Software Testing Life Cycle (STLC)**, ensuring seamless project execution and delivery.
* Demonstrated expertise in analyzing requirement specifications and crafting comprehensive test documentation, encompassing Test Scope, Scenarios, Cases, Scripts, and Reports, ensuring thorough **testing coverage**.
* Proven track record of effectively addressing complex challenges and ambiguities during testing, collaborating closely with stakeholders to devise effective solutions and maintain consistent testing methodologies.
* Excellent communication skills, enabling smooth collaboration with **teams, clients, and stakeholders, fostering teamwork and project success**.
* Exhibited perseverance and resilience in driving projects to successful outcomes, spearheading ongoing enhancements in quality assurance procedures.
* Adapted adeptly to various project environments, adept in both **Waterfall and Agile methodologies**, leveraging Agile techniques to deliver high-quality software products.
* Diligently monitored testing processes and analyzed results to pinpoint **defects** and areas for improvement, ensuring the delivery of reliable and robust software solutions.
* Demonstrated proficiency in maintaining and managing **test environments, leveraging testing frameworks, automation tools, and configuration** management tools to streamline testing processes and project management.
* Leveraged a diverse array of tools and techniques including **Selenium WebDriver, Jenkins, Maven, Appium, JMeter, and LEAPWORK** automation testing platform to drive efficiency and accuracy in software testing across varied platforms and technologies.
* Additionally, possess expertise in documentation tools such as **HP ALM/Quality Center, Jira, Confluence, and Allure Report**, complemented by hands-on experience in database testing and proficiency in Microsoft Office tools, further enhancing the ability to deliver exceptional results in software quality assurance.
* As a polished communicator with strong analytical and interpersonal skills, I am well-positioned to contribute effectively as a versatile team player in dynamic project environments.

**Technical Skills**

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| **TESTING TOOLS**  | SELENIUM WEB DRIVER/IDE/GRID, MERCURY QTP, JUNIT, CUCUMBER, FIREBUG, FIRE PATH, TESTNG, SOAPUI, AZURE DEVOPS, QUALITY CENTRE (ALM), JIRA, POSTMAN, MANUAL TESTING |
| **LANGUAGE/ SCRIPT**  | JAVA, JAVASCRIPT, HTML, CSS, PYTHON |
| **FRAMEWORKS**  | TestNG, Cucumber, JUNIT, TESTNG, TDD, BDD, PROTRACTOR |
| **FIREFOX ADD-ONS**  | XPATH, FIREBUG |
| **WEB DEVELOPMENT**  | HTML, VB SCRIPTS, XML, CSS, JAVASCRIPT, PYTHON |
| **SOA TECHNOLOGIES**  | SOAP, REST, WEB SERVICES, SOAP UI |
| **BUG TRACKING TOOLS**  | HP ALM, JIRA, SPIRA, QUALITY CENTER (QC), BUGZILLA, CONFLUENCE, TEAMS FOUDATION SERVER (TFS). |
| **BUILD/ CI TOOLS**  | ANT, MAVEN, JENKINS. |
| **SDLC METHODOLOGY** | AGILE, WATERFALL |
| **OPERATING SYSTEMS**  | WINDOWS, LINUX |

**Professional Experience:**

**Client: McKesson, Dallas, Tx November 2021 – till date**

**Role: Quality Engineer/ SDET**

* **Analyzed** Business Requirements, Functional specifications, Detail Development Plans and Development schedules documents.
* Conducted **JAD (Joint Application Design)** sessions for grooming user stories and Attended daily SCRUM meetings regarding the defect’s status and the automation tasks.
* Performed **BehaviourDrivenDevelopment (BDD)** using Cucumber written feature file, Scenarios and Step Definitions to execute test scripts using Gherkin Language.
* Written **Test cases** using Element locators, WebDriver methods, programming features and TestNG Annotations.
* Performed **Cross browser testing and Parallel Test execution** using TestNG framework to check whether the application is working as expected or not.
* Testing with various **Salesforce.com** standard objects like Reports and Dashboards, Leads, Accounts, Contacts, and Opportunities along with Campaigns.
* Responsible for defect tracking, defect reporting and defect reproducing in **JIRA**.
* Testing API using **postman** and created a customized test data for Integration Testing from AS400 to Oracle Applications.
* Used Postman tool perform **regression tests** and achieve reliable results in a variety of environments using chrome plugin.
* Expertise in Functional and Performance Testing for **SOAPUI, REST web services**.
* Created **tractability matrices**, test and bug reports and other test related documents.
* Contributed to the **Continuous Integration pipeline** running component builds, creating and deploying jobs on individual stages on Jenkins.
* Performed functionality and regression testing during the various phases of the application.
* Developed and updated Test Scripts based on the Functional and Technical Specifications using **Java/JUNIT/JSON Object and JavaScript**.
* Involved in various phases of testing like system testing, integration, functional testing and Regression testing before every sprint.
* Implemented **SOAP UI** tool for testing SOAP-based architecture applications and Rest Assured/Java for REST API testing.
* Carried out **stress, Load and performance testing** in verifying whether the application is working as expected.
* Involved in developing scenarios for **UAT** testing and Provided support during Integration testing and UAT.
* Integrated Jenkins with version control (**GIT**) and scheduled builds to run automatically during a build release.
* Created Live UAT and provided demo to business end user for each sprint.

Environment: Selenium Web Driver, Eclipse Neon, JIRA, JSON Object, SOAPUI, Maven 3, Excel, SQL, Oracle 12c, Cucumber, Jenkins, Agile and Scrum, Azure Devops

**Client: NXP semiconductors, Austin, Tx July 2018 – Oct 2021**

**Role: QA Automation Engineer**

* Drafted **Test Plan** which included Testing objectives, Testing phases, scenarios and test environment after a thorough analysis of the business rules.
* Tested applications developed in Java with **TestNG** framework.
* Used **Selenium Web Driver** for writing test scripts for regression test coverage.
* Developed and executed White box test cases of the Java API using **TestNGframework&Eclipse.**
* Automated **Smoke & Functional test cases** using Selenium Web Driver, TestNG.
* Worked on creating test case for Object -driven framework for **Selenium Web Driver**.
* Integrated Automation scripts (Selenium Web Driver API) on Continuous Integration tool Jenkins for nightly batch run of the Script.
* Coordinated with technical support associates to x proprietary software issues.
* Conducted backend Testing using **SQL queries** to validate data for database.
* Attended the **BRI (Business Requirement Identification)** meeting to understand the Business Requirements.
* Worked on Project Management tools Jira.
* Utilized various test tools for automation of test cases Generate test reports and performed extensive Web Services testing **using SOAP UI.**
* Obtained the responses for **RESTFUL** webservices in **JSON format and used JSON VIEWER** to obtain the response in a desired format.
* Created **POM** to store the project data and configured their details using Maven to build the project.
* Executed the automated regression test cases during every release and executed the daily regression test suites.
* Used Data driven framework to fetch the data from external sources and keyword driven framework to perform actions.
* Used Excel **Spreadsheets** and **Apache POI** to process the spreadsheets in Application Framework and used Auto IT to upload files in Windows.
* Used **Appium tool** to perform mobile testing using android mobile studio.
* Used **UI Automator viewer** for android devices and Appium inspector for IOS devices to locate elements for mobile testing.
* Experienced in using **JMeter** to measure the performance of client/server applications and for performing load test.
* Verified, edited and updated test data in new or existing systems before Testing.
* Used **Selenium Grid** to execute test cases in parallel on different target machines.
* Implemented **BDD (Behavior-Driven Development)** to run automated acceptance tests using Cucumber tool which has a gherkin format and les like feature le, step definition le and test runner file.
* Performed regression tests daily by scheduling jobs, configurable with GIT by using Jenkins, and based on test results approved the build requests.
* Reported defects to developer and discussed the issues in weekly status meetings.
* Interacted with the Subject Matter Experts (**SME**) and Business Analyst to get a better understanding of client business processes and gather requirements.

Environment: Selenium Web Driver, TestNG, Jenkins, Maven, SOAP UI, Agile, XPath, Jira, Eclipse, Cucumber, Appium, JMeter, MSWord, MS Excel, PL/SQL, SQL, Windows.

**Paypal, USA Dec 2016 – May 2018**

**Role: QA automation engineer**

* Analyzed business requirements and functional specifications to design tests and create test scenarios.
* Actively participated in Agile Software Development Life Cycle stages, ensuring a good understanding of customer requirements.
* Followed **SDLC** processes to develop testing strategies, estimates, and plans, mitigating testing risks.
* Collaborated with **Clients Onshore** to establish consistent test methodology and resolve requirements ambiguities.
* Set up **automation environments** using Visual Studio, Maven, WebDriver, Cucumber, and TestNG.
* Implemented Behavior-driven development and Acceptance Test-driven development using Cucumber.
* Utilized **Maven** for build management and executed Cucumber tests.
* Created, executed, and reviewed **Functional & Integration test cases** based on business requirements.
* Located Web Elements using Firebug in **Firefox browser** and developed test scripts for various functionalities.
* Implemented Page Object Model design pattern for Data-Driven and Keyword-Driven frameworks using Selenium.
* Conducted Data-driven testing in Cucumber and generated **TestNG** reports.
* Developed automation scripts and extracted data from Excel sheets using **Apache POI**.
* Performed functional, cross-browser, and compatibility testing using **Selenium Grid.**
* Utilized SQL statements for Database Testing and conducted cloud-based automation using Sauce Labs.
* Validated web services functionalities using SOAPUI over HTTP and generated test reports using Allure plugins.
* Managed source code using Bitbucket and scheduled jobs using Hudson for continuous integration.
* Logged, tracked, and verified resolution for software defects in JIRA.
* Participated in scrum meetings and actively contributed to improving testing quality.

Environment: Selenium WebDriver, Selenium Grid, TestNG, POM, Cucumber, SOAP, RESTFUL, Microsoft Visual Studio, Hybrid/Data Driven Framework, Appium(for iOS) Apache POI, SQL, Bitbucket, JIRA, Maven.

**Cognizant Technological Solutions, Chennai, IN Aug 2015 – Nov 2016**

**Role: Associate**

* Setup Selenium Automation framework using **POM design** pattern for multiple projects team.
* Automated and maintained scripts to incorporate every release change to the regression suite.
* Developed reporting with Selenium using the **TestNG** framework and Extent Report.
* Performed Script Execution and raised the Defects.
* Executed performance scripts of **JMeter** to test Rest API calls.
* Integrated Selenium with Jenkins for continuous integration
* Identifying the appropriate test cases for automation
* Logging various defects and making sure all relevant defects were fixed and successfully deployed
* Mentored team members and peers to on-board with Selenium automation and support them throughout their transition.
* Supported **cross functional project team** to resolve issues with selenium and develop framework suitable for project.
* Working with the offshore and onshore testing and development teams.
* Reviewed automation scripts of peers to maintain standards across the team.
* Involved in release support and checkouts.

Environment: Manual Testing, Quality Center, Postman, SOAP UI, HTML, Windows, Oracle, UNIX, Selenium WebDriver, JIRA, Eclipse, Maven, TestNG, MS Excel, REST client, POM framework, Jenkins.