**S****OWMYA A**

**QA ENGINEER ( AUTOMATION AND MANUAL TESTING )**

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**Available to work immediately and open for relocation across the USA for C2C Roles only.**

**PROFESSIONAL SUMMARY :**

* **Software QA Engineer** with over **10+ yrs**. of Professional Experience specialized in **Manual** and **Automated Testing** for **Web, Mobile** and **Database/ETL Systems** across various domains, including **Banking, Insurance, E-commerce and Healthcare**.
* Proficient in **Software Development Life Cycle (SDLC), Software Testing Life Cycle (STLC)** and **Bug Life Cycle** with a focus on **Software Development and Testing** and methods like **Agile** and **waterfall**.
* I have been involved in **Software Development Engineer Test (SDET)** working with Java where I was involved in automated tests, Frameworks and Tools based on quality and reliability of software applications.
* Skilled in a wide range of **Software Testing** **Methodologies**, including **usability**, **smoke**, **sanity**, **positive**, **negative**, **data-driven**, **regression**, **unit**, **black box**, **white box**, and **integration testing**.
* Extensive Experience in Quality Control for **Web Based**, **Desktop** and **Mobile Applications.**
* Demonstrated abilities in writing or creating **Test Plans**, **Test Scenarios, Test cases, Traceability Matrix, Test automation Scripts** and **Test Reports**.
* Experienced in creating and maintaining **Continuous Integration/Continuous Development** (**CI/CD) pipelines** for automation projects using **GIT, Jenkins**, **AWS**, and **Azure** involving tasks such as pipeline configuration, version control integration, and continuous integration setup.
* Proficient in creating, executing, and troubleshooting performance test scripts with tools like **LoadRunner** and **JMeter**.
* Experienced in managing defect tracking tools including **Jira, Test Director/Quality Center**, and **Team Foundation Server, ensuring streamlined** issue management.
* Used **Bugzilla** to report defects discovered during automated testing runs, providing detailed information about the issue, **steps to reproduce,** and **any relevant attachments**.
* Skilled in developing **Behavior-Driven Development (BDD)** scripts with **Cucumber**, proficient in writing clear step definitions and features in **Gherkin** to effectively translate complex business requirements into executable scenarios.
* Experienced in writing comprehensive **test cases** and **plans**, as well as creating automation scripts for **UI testing** with **Selenium** or **Cucumber BDD**, **API testing** with **REST Assured** or **Karate**, and **mobile testing** using **Appium**.
* Skilled in interpreting and converting manual test cases into automated **Smoke** and **Regression** suites using **Selenium** **WebDriver** with **Java.**
* Skilled in a range of Web Technologies **HTML, CSS, JavaScript, XPath, JSON, XML, React.js, Fire Path** and **Firebug** contributing to comprehensive software development. Expertise in **Java, Python,** and **JavaScript**, with experience in developing scalable, robust applications.
* Possess excellent command over Unit Testing Frameworks like **JUnit** and **TestNG**, contributing to **robust code testing**.
* Excelled in **UI automation** tools such as **Selenium WebDriver/Grid, Playwright**, **Cypress**, and **Katalon** **Studio**, ensuring robust web applications testing and ensuring capability across multiple browsers like Edge, Firefox, Safari, and Chrome ensuring thorough application validation.
* Proficient in utilizing various **Selenium** **locators** like ID, Name, Class Name, Tag Name, Link Text, Partial Link Text, XPath, CSS Selector for identifying **web elements** to create automation scripts.
* Proficient in designing and implementing frameworks such as **Behavior-Driven Development**, **Keyword-Driven**, **Data-Driven**, and **Page Object Model** (**POM**) and also for building reusable page objects and custom methods, ensuring high test coverage.
* Skilled in leveraging **Sauce Labs** or **BrowserStack** for **cloud-based testing** to effectively report defects and test results.
* Possessed sound knowledge and practical experience in Mobile testing tools like **Appium.**
* Proficiency in validating a variety of **APIs**, including **REST, SOAP**, and **GraphQL**, using both open-source and custom test harnesses. Core skills include the **Java**-based **Rest-Assured** library, the **Karate** testing framework, and the **Playwright** JavaScript package for **API test automation**.
* Conducted thorough API testing utilizing Karate, covering **RESTful APIs, web serv**ices, and **microservices** to ensure their functionality and behaviour.
* Exhibited expertise in Testing REST APIs via tools like **Robot** **Framework** and **SOAP** **UI**. Showcased strong competence in testing web services, utilizing tools like **SOAP** **UI** for **RESTful** web services.
* Integrated Rest Assured tests seamlessly into **CI/CD pipelines using Jenkins**, thus automating API testing for enhanced software delivery workflows.
* Skilled in utilizing Build and Configuration Tools such as **ANT**, **GRADLE** and **MAVEN** streamlining the development process. Leveraging **version control systems** such as **Git, SVN, Perforce** for efficient code management.
* Proficient in identifying **Test scenarios, crafting effective Test Cases** using various Design Techniques.
* Possessed sound knowledge of **Azure** within the context of **Continuous Integration and Continuous Delivery (CI/CD).**
* Developed and executed **SQL queries** in the **Database** to conduct **Data Integrity** and **Data Consistency Testing** by checking the data tables on the server also experienced in **Databases/Backend Testing – DB Visualizer, Oracle, TOAD, and SQL.**
* Executed automated test scripts using **Mercury Tools (Test Director/Quality Center, LoadRunner, QTP)** and **JMeter**, aligning with business/functional specifications.
* Proficient in **Bug lifecycle/ Defect Tracking, System Integration/Smoke/Regression/UAT level Testing**.
* Traced requirements in the development process, ensuring adherence with the **Requirement Traceability Matrix (RTM).**
* In-depth knowledge of **Agile (Scrum and Kanban), Waterfall** methodologiesandactively participating in requirements grooming sessions, sprint planning, daily stand-ups, retrospectives, and other project management practices.
* Strong Understanding of **UAT** and **Patch** **Testing** (Real-time Payment system issues) in client environments.
* Strong **troubleshooting, debugging,** and **unit testing** skills. Proven track record of reducing testing time and improving efficiency through **code optimizations** by integrating advanced testing frameworks and performing **code refactoring.**
* Collaborative Team Member possessing strong Technical, Analytical, and Communication skills, fostering a positive and cohesive work environment.
* Excellent **analytical**, **problem-solving** skills with a keen eye for detail and a commitment to delivering high-quality software. Successful in working in a team, as well as independently.

**TECHNICAL SKILLS :**

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| --- | --- |
| **Programming Languages** | Java, Python, JavaScript, **Ruby,** SQL, PL/SQL, C, Groovy |
| **Testing Tools** | Selenium Web Driver/IDE/GRID, JUnit, TestNG, Cucumber, Firebug, FirePath, Postman, Swagger, Rest Assured, Soap UI, Appium, Espresso, Perfecto, Cypress, Jest, Katalon Studio, Karate, LoadRunner, JMeter, Playwright, Informatica, Talend, DBUnit, **Jasmine, Protractor** |
| **Defect Tracking Tools** | Bugzilla, Jira, Splunk, Quality Center (9, 10, 11.0). |
| **BDD Frameworks** | Cucumber, Keyword, and Data-driven framework, Test-Driven framework |
| **Web Technologies** | HTML 5, Angular JS, AJAX, X path, CSS 3, XML, SOAP, XSL, XSLT, XHTML, JSP, PHP, jQuery, JSF, JSTL, JAXB and JAXP, Node, React JS |
| **Script Languages** | Java Script, UNIX Basics, SQL scripting, VB Script |
| **Web Services/Browsers** | SOAP, REST, REST API, Mozilla Firefox, Internet Explorer, Safari, Google Chrome, Opera, Microsoft Edge. |
| **Test Approaches** | Agile/Scrum, Waterfall, SDLC, STLC, Bug Life Cycle |
| **Databases** | Oracle, SQL, RDBMS, NoSQL, MongoDB, MySQL, MS Access, MS SQL Server, RedShift, Toad, Informatica, SQL Plus |
| **Operating Systems** | UNIX/Linux, Windows, Android, iOS |
| **Development Tools** | GIT, SVN, Jenkins, CI/CD, Docker, Visual Studio, IntelliJ IDEA, Eclipse, and PyCharm. |
| **Azure** **Cloud Services** | Azure DevOps, Azure Monitor, Virtual Machines, Functions, Application Insights, Pipelines, Test Hub, Test Plans, File, DevTest Labs, Logic Apps. |
| **AWS Cloud Services** | Amazon EC2, RDS, AWS S3, Elastic Load Balancing (ELB), AWS Lambda, Device Farm, Kinesis |
| **Testing** | Integration, Functional, Regression, Performance and Load Testing, Manual Testing, Black Box and White Box Testing. |
| **Other tools** | Jenkins, TeamCity, JFrog Artifactory, AutoIt, Docker, Kubernetes, Hadoop, Confluence, Burp Suite, RabbitMQ |
| **Design Patterns** | Page Object Model and Page Factory |

**PROFESSIONAL EXPERIENCE :**

**Client : Comerica Bank, Detroit, MI Aug 2022 – Sep 2024**

**Role : Lead QA Manual and Automation Engineer**

**Responsibilities :**

* Extensively involved in all stages of the **Software Testing Life Cycle (STLC)** and **Software Development Engineer in Test (SDET)** using **Agile** **methodologies**.
* Developed comprehensive **test strategies** and **plans** aligned with business requirements and acceptance criteria, ensuring thorough coverage of **API, UI, Mobile,** and **ETL** testing using tools such as **Selenium, Rest Assured, Appium,** and **Talend**.
* Developed automated **Test** **Suites** for platforms like **Pay Flow**, **Authorize.Net**, **Trust Commerce** using **Postman** collections, **Newman**, and **Selenium** **WebDriver**.
* Developed automated testbenches using **MagTek**, **DynaPro** **SDKs** to validate capabilities like signature capture, encryption, data streaming to POS.
* Verified **Mobile Wallet Integrations** like **Apple Pay, Google Pay, Samsung Pay** by simulating flows across supported mobile devices and operating systems. Defined test objectives, prioritizing test cases, and structuring test suites for efficient test execution in **Zephyr**.
* Testing for **POS Devices** for the models **Square and LightSpeed** and performed **POS** testing to prevent any issue at the customer end like an invalid PIN, or expired card.
* Created automated **API** **Test** suites leveraging **Postman** and **Newman** to verify **Payment Gateway API Contracts**, responses, error handling and Automated **Restful** Web Services using **Rest-Assured Framework**.
* Designed and documented **REST**, and **SOAP APIs** including **JSON** data formats and **API Versioning** strategy. Used **Java** and **Rest-Assured** to test microservices created with **Spring Boot**.
* Defined and tracked **Quality** **Assurance** metrics such as defect severities, open defect counts have been done in **Smoke/Regression Testing, Data Driven, Functional, UI, Mobile, Backend and Integration Testing**.
* Worked on **Cucumber** framework with Web Controls, creation of Feature Files, Step Definitions, and reusable methods and written Automation Test Scripts in **Gherkin** to execute in **Cucumber**.
* Implemented **Page Object Model** design patterns in **JavaScript** with **Playwright** to enhance test script abstraction and maintainability, making test code more organized and easier to update.
* Developed end-to-end test automation frameworks for complex Single Page Applications using **Selenium** with **Cucumber** integration.
* Automated tests for the user interface (UI) of **ERP** applications to ensure usability, accessibility, and consistency across different devices and platforms.
* Implemented extensive **Mobile and User Interface (UI)** Testing on the business website and business **Mobile** **App** using **Browser Stack**, and **Appium** Tools.
* Implemented a Simulator for **Mobile** **App** **Testing** (iOS, Android, and Windows) using **Appium** **Tool**.
* Developed and executed **SQL** **queries** to verify the proper insertion, deletion, and updating into the **Oracle** supporting tables and cubes.
* Developed **ETL** **Test** **Scripts** based on Technical Specifications/ Data Design documents and Source to Target Mapping.
* Performed extensive **SQL** querying on Staging, **Data Warehouse, and Data Marts**, worked with **ETL** groups, **Acquisition Team**, and **Business Analyst** to understand mappings for dimensions and facts.
* Implemented and maintained automated **ETL testing** using **Talend** for data validation and integrity, reducing manual effort.
* Maintained automated test cases for **Smoke Testing** and edited test cases manually from **Squids** and selected the Test Cases to be automated and performed **Functional Testing** of the front-end using **Eclipse**.
* Developed basic test plan cases for the **QA automation** team using **TestRail** for **JIRA** Cloud applications. Integrated test scripts with JIRA using TestComplete to streamline test management and tracking.
* Used **LoadRunner** to do functional requirements as well as load testing of **SOAP** **Web** **Services**. Also, various types of timers reduce the delay between each request thereby solving overloading problems.
* Developed automated test suites using **Selenium** with Java bindings and **Boto3** **SDK** to validate deployment workflows on **Azure** services like **Azure Functions and Azure App Service**.
* Designed and implemented **CI/CD pipelines** using **Jenkins** and **Azure DevOps**, automating code integration, testing, and deployment across development, staging, and production environments.
* Integrated **Git** with **CI/CD pipelines** to trigger automated builds and deployments upon code commits, ensuring smooth development workflows.
* Scheduled, and ran the scenarios using **JMeter** and generate necessary graphs.
* Actively participated in Agile practices such as **backlog** **grooming**, **sprint** **planning**, **daily** **stand**-**ups** **and** **retrospectives**. Contributed to continuous improvement, team collaboration, and overall project success.
* Collaborated with **Technical Teams** throughout release testing lifecycles from planning to triaging defects to final validation signoffs.

**Environments Used :** Selenium WebDriver, Playwright, Postman, Rest Assured, JMeter, SOAP UI, Appium, Oracle, TestNG, Browser Stack, Payment Devices, Payment Merchant Gateways, Talend, Azure DevOps, Jenkins, Cucumber, Java, SQL.

**Client : Target, Minneapolis, MN May 2020 – July 2022**

**Role : Senior QA Analyst**

**Responsibilities :**

* Designed and developed a Data-Driven framework, which is a hybrid framework for automation scripts using **Cypress** with **JavaScript**, Cucumber and integrated data handling.
* Involved in **Agile testing**, reviewed the stories and participated in **Daily Scrum** and **Release Planning meeting**.
* Reviewed the **Product Backlog**, Functional Specifications Document and Technical Documentation.
* Conducted comprehensive testing on Warehouse Management Systems **(WMS)** modules, including inventory management, order processing, and logistics, ensuring seamless integration and functionality, which enhanced operational efficiency.
* Experienced in preparing the Software Test Plan which includes analyzing requirements during the requirements analysis phase of projects using **JIRA**. Also, wrote System Test Procedures and conducted lab dry runs to maintain their accuracy in software.
* Implemented **Cypress** for **Web** application testing and designing test suites for customer web portals. Automated regression tests for **ERP** systems to ensure that new releases, patches, and configuration changes.
* Used **Karate** to make **HTTP requests, validate responses**, and perform various assertions using a simple and expressive syntax.
* Proficient in using **Katalon** **Studio** to develop and maintain automated test suites, improving efficiency and accuracy in testing.
* Conducted **end-to-end testing** on the **Point of Sale (POS)** system, ensuring smooth payments at physical payment terminals.
* Applied **Rest** **Assured** to rigorously validate API endpoints, ensuring the smooth functionality of **payment** gateways, order processing, and **inventory** management systems, thereby enhancing the overall user experience.
* Implemented **Page Object Model** design patterns in **JavaScript** with **Cypress** to enhance test script abstraction and maintainability, making test code more organized and easier to update.
* Leveraged **Cypress** locators, actions, and assertions to streamline test development and maintenance, enhancing code clarity and reusability.
* Developed reusable custom commands in **Cypress** using API methods for common workflows such as login and data setup, enhancing code reusability and efficiency while streamlining test automation and reducing redundancy.
* Performed functional testing of **SOAP** and **RESTFUL** Web Services using **SOAPUI** Tool.
* Implemented parallel test execution using frameworks like **Jest** and **Cypress** to improve efficiency and reduce overall testing time.
* Automated test cases using **XCUITest** framework, enhancing test efficiency and repeatability.
* Integrated **QTP/UFT** for desktop and legacy application modules and **Cypress**.io for modern web modules into the test automation suite to extend test coverage and enhance end-to-end testing capabilities.
* Executed performance tests using **JMeter**, by adjusting the number of virtual users to simulate different **load** levels.
* Utilized **Appium**, a top-tier mobile automation tool, to craft and implement automated test scripts for this project, ensuring consistent performance and user satisfaction across a variety of **mobile** **devices**.
* Implemented unit tests using **Jest** to ensure the reliability and performance of critical functions within the e-commerce application, validating user interactions, API responses, and business logic components.
* Created a test automation framework from scratch using **Cucumber** with the Page Object Model **(POM)** in **JavaScript**. Developed User Stories in Gherkin syntax for Behavior Driven Development (BDD) to facilitate User Acceptance Testing.
* Performed regression testing after each build release of the e-commerce application, updated test scripts by executing regression suites built using **Cypress** obtained approval for the updated regression suite to ensure consistent functionality and user experience.
* Responsible for installation and automation of functional test cases using Cypress with TypeScript.
* Assisted in mentoring and training new QA engineers in **UIAutomator2** and mobile app testing best practices.
* Leveraged complex **SQL** queries to automate comprehensive data integrity checks and validate UI data against real-time data, systematically compiling, analyzing, and tracking detailed test metrics on a weekly basis.
* Configured **Jenkins** build jobs for **Continuous Integration (CI)** and automated Regression Testing.
* Used Protractor for End-to-End Testing of **Angular application**. Used **Mocha Test** Framework and **Chai** Assertions.
* Hands on experience in using **Apache POI** to extract data from external sources to operate locators into the test script.
* Involved in designing data driven framework for reading the data from excel sheets using **Apache POI library.**
* Utilized **AWS** to implement elastic computing, efficient **storage** solutions, robust content delivery, optimizing website performance, scalability, and user experience.
* Developed automated test suites using **Cypress** with **JavaScript** to validate deployment workflows on **AWS** services such as **Lambda** **and Elastic Beanstalk** ensuring smooth and reliable deployments.
* Configured and monitored **CI/CD pipelines** using **AWS** services to streamline testing, ensuring efficient and reliable automated processes. Managed deployment workflows to enhance the consistency and speed of software releases.
* Integrated **Cypress** scripts with **CI/CD pipelines** like **Jenkins** to trigger **automated UI** regression tests on every commit and coordinated the scheduling of timely builds to support continuous internal testing needs.
* Scheduled and prioritized work and plan a sequence of testing activities that accomplish the planned.

**Environments Used :** Cypress, Jest, Cucumber, Appium, Oracle, JMeter, SOAP UI, XCUITest, REST Assured, Jira, AWS Cloud, Katalon Studio, Jenkins, Karate, HTML, JavaScript, XML, Excel, SQL, Windows.

**Client : Houston Methodist, Houston, TX Oct 2018 – April 2020**

**Role : Senior QA Automation and Manual Engineer**

**Responsibilities :**

* Developed **test plans, test estimations,** and **test strategies** based on project needs. Implemented a **data-driven framework**. Established **metrics** to monitor and evaluate testing performance.
* Reviewed **business requirements** and **functional specifications** to align with business needs and user focus.
* Automated complex **software installations** using **AutoIt**, including handling multi-step installation wizards, system dialogs, and configuration settings, ensuring consistent and error-free deployment.
* Responsible for project delivery, implemented **Automation Frameworks** using **Selenium, Page Object Model,** and **TestNG**, ensuring the team adheres to **automation standards**. Utilized **Selenium Grid** to run tests on multiple browsers and platforms.
* Utilized **Rest** **Assured** to meticulously test and validate API interactions, ensuring the integrity of patient data, adherence to healthcare standards, and seamless communication between diverse **healthcare** systems.
* Performed Data Driven Testing using **Selenium** **Web-Driver** and **TestNG** functions which read data from property and XML files and managed **Jira** Software for **Bug** and defect tracking and **Confluence** for **design** **documents**.
* Used **CA Service Virtualization** to test in parallel for faster delivery, higher application quality, reliability and created automated test suites using **CA Lisa** for testing the APIs with Virtualized as well as live integrated environments.
* Used **SOAP UI tool** to test **SOAP services** and **REST API** and Involved in services testing using **Postman** and **Newman** for running Postman collections. Worked closely with the platform team for every new service that they plan to tag and release.
* Manipulation of **XML request** files while sending a SOAP request and asserted the **XML response** from the server.
* Performed data driven testing by using **JDBC** and **Groovy script** as a data source in **SOAP UI** and configured **SQL queries**.
* Designed a **Hybrid Appium test automation framework** for native mobile applications across both **Android** and **iOS** platforms, incorporating **Cucumber** for BDD, and utilizing **Appium** and **Espresso**. Expert in using **emulators & IOS Simulators.**
* Tested iOS-specific features using **Xcode** and **XCUITest**, leveraging native tools to ensure deep integration and optimal performance for iOS applications.
* Utilized **LoadRunner** to execute multi-user performance tests, contributing to online monitors within the **LoadRunner.**
* Involved in testing **AJAX** components with **Jasmine and Protractor**.
* Developed precise XPath expressions using **Firebug** and **FirePath** to accurately identify web elements. This improved the efficiency and reliability of automated testing scripts for web applications, ensuring accurate element targeting and testing.
* Ensured compatibility of **Node.js** applications across different web browsers and devices commonly used in healthcare.
* Tested **error handling mechanisms** and logging functionalities in **Node.js** applications. Monitored and analyzed application logs to identify and troubleshoot issues proactively.
* Assisting in creating and maintaining an automation framework comprising **Java Selenium and Cucumber**.
* Developed **SQL** scripts to verify data during the extraction phase, ensuring accuracy in data transformation and loading. Validated compliance with **ETL** mapping rules to ensure correct data processing.
* Set up monitoring and alerting for **RabbitMQ** to track the health and performance of message queues.
* Validated the message flow and data integrity across various healthcare applications using **RabbitMQ**. Ensured reliable message delivery between systems such as **electronic health records** (EHR), **patient management systems**, and **medical devices**.
* Integrated **Splunk** with various QA tools such as JIRA, Selenium, and Jenkins to correlate test data, defect logs, and build information. Enhanced visibility into QA processes and improved collaboration across teams.
* Proficient in using **CodeCommit** for any code change and package merging to the test environment.
* Facilitated user acceptance testing **(UAT)** with business users by utilizing my strong domain expertise.
* Wrote **SQL** Queries for **backend/ETL** testing ensuring comprehensive validation and integrity of data processes.
* Used **Maven** for building **Web** **Driver** projects and integrated with **CI/CD tool - Jenkins** for running tests on a nightly basis.
* Involved in the **Continuous Integration (CI)** of the automation framework with **Jenkins** also configured and monitored **CI/CD** using **Azure DevOps** and **Jenkins** for specific project needs.
* Efficient management of **Azure DevOps** for assigning User Stories, creating sub-tasks, and updating sprint boards.
* Worked on configuring and maintaining diverse test environments on **Linux**, including **Virtual** **Machines** and **Containers**, ensuring consistent and reproducible testing conditions.
* Participated in the initial **KT Sessions** from the client along with the business analysts to get the understanding of the application**.**

**Environments Used :** Selenium WebDriver, Jenkins, Cucumber, Load Runner, SOAP UI, Azure DevOps, Appium, TestNG, Java, SQL Server, Linux, JMeter, Protractor, JIRA, Squish, Splunk, RabbitMQ.

**Client : Blue Cross Blue Shield Texas (BCBST), Dallas, TX Feb 2016 – Sep 2018**

**Role : QA Automation and Manual Test Engineer**

**Responsibilities :**

* Conducted thorough analysis of **business requirements** and **functional specifications** to develop comprehensive test cases, concurrently drafting detailed test planandstrategy documents.
* Actively participated in the creation of test scenarios and test data, aligning them with the requirements, and ensured seamless communication of updates to offshore teams during daily scrum calls.
* Designed and implemented **Keyword-Driven** and **Data-Driven** automation frameworks tailored for **functional** **and** **regression** **testing**, leveraging **Selenium WebDriver**.
* Developed and executed automated test scripts using **Selenium** with **Java** for **regression testing**, leveraging diverse automation frameworks to ensure comprehensive test coverage.
* Formulated and executed test cases for **UI testing**, ensuring optimal functionality and user experience across web and mobile applications.
* Used **SVN** source control repository tool, where Java and Selenium test source code and resources are maintained.
* Experience in Core Java concepts such as **OOP’s** Concepts, Collections Framework, Exception Handling, Multi-Threading, JDBC and generated test logs using **Log4j** for various log levels.
* Orchestrated the development and management of automation frameworks utilizing **POM**, **TestNG**, and Java, supplemented by **REST** client extension for manual debugging and verification of service calls.
* Enriched the automation suite by developing and updating automation test cases using **Selenium WebDriver**, ensuring thorough validation of application functionality across multiple browsers.
* Leveraged **SQL** queries to automate data integrity checks and validate **UI** data against real-time data, systematically compiling and tracking test metrics on a weekly basis.
* Utilized **Jira** for planning, running, and tracking defects, actively participating in walkthroughs with clients and development teams, and periodically reporting defects in dedicated meetings.
* Analyzed script execution reports utilizing frameworks like **Cucumber** and **TestNG** in Java to identify and address issues in functional testing.
* Built mobile automation framework with **Appium**, **TestNG**, and **Java** for seamless testing on **Android**/**iOS**.
* Designed and validated test case reports in **HP ALM** for **UAT** testing, ensuring seamless execution of regression scripts.
* Conducted **ETL** **testing** to validate accurate and efficient data processing and transformation within the data warehouse and related systems.
* Utilized **Jira** for planning, running, and tracking defects, actively participating in walkthroughs with clients and development teams, and periodically reporting defects in dedicated meetings.
* Performed load or performance testing using **JMeter** to simulate high traffic loads and measure application performance under various load levels.
* Executed cross-browser and cross-platform web testing with **Selenium WebDriver**, conducting build **acceptance testing** and **smoke testing** using **Cucumber** automation tool.
* Conducted thorough **API** **testing** using **REST Assured** **and** **SOAP UI** to validate functionality and ensure software application integrity.
* Prepared test scripts for **UAT**, showcasing strong proficiency in automation coding without reliance on record and playback scripting.
* Implemented and optimized **AWS** cloud infrastructure utilizing **EC2** for computing, **Lambda** for serverless functions, **S3** for object storage, **EBS** for block storage, and **Glacier** for archival storage, ensuring scalability, cost-efficiency, and data durability.
* Utilized **AWS** Identity and Access Management **(IAM)** to perform security and vulnerability testing of the application.
* Created RESTful services collection in **Postman** and validated the responses.
* Utilized **AWS** for project management, source control and **CI/CD pipelines**, integrating services such as **AWS** CodeCommit to streamline test automation and deployment processes.
* Regularly participated in daily stand-ups and project meetings to ensure alignment with project priorities and status tracking.

**Environments Used :** Selenium WebDriver, SQL, Cucumber, TESTNG, Jira,JUnit, SOAP UI, JMeter, AWS Cloud, Postman, REST Assured, ETL Testing, Appium, Cypress, HP ALM.

**Client : ADP Pvt Ltd, Hyderabad Sep 2013 – Oct 2014**

**Role : QA Automation and Manual Tester**

**Responsibilities :**

* Reviewed functional specifications and user requirements to design comprehensive test cases and test plans, ensuring full coverage of the critical functionalities and alignment with business needs for effective testing.
* Test cases and strategies were Manually carried out to compare actual outcomes to anticipated results. Participated in every stage of the Manual Testing Process.
* Designed and executed comprehensive API test scenarios using **Postman** and **SoapUI** to validate functionality, performance, and security of backend APIs.
* Extensive hands-on experience in **designing, developing**, and executing automated test scripts using **Selenium WebDriver** to ensure UI functionality and responsiveness.
* Used **Firebug** Tool to identify the Object& id, Name, XPath, link in the application.
* Proficiently designed and executed automated API tests using Rest Assured to verify **data integrity, response codes,** and **payloads.**
* Conducted System Testing, User Acceptance Testing, Regression Testing, and Black Box Testing.
* Ensured responsiveness, layout, and visual elements of the user interface met high standards across diverse devices and browsers.
* Integrated the test automation suite with **Jenkins** for **continuous integration, executing tests** with each new code commit.
* Developed and maintained automated regression test cases in **Selenium WebDriver** using **Java** programming language and **Junit** Framework.
* Conducted **Extract, Transform, Load (ETL) testing** to validate accurate and efficient data processing and transformation within data warehouses and related systems.
* Verified data integrity and completeness throughout the **ETL process, ensuring data quality** and **reliability**.
* Leveraged **Postman** and **SoapUI** to create and execute **automated API tests**, **enabling continuous integration** and rapid feedback in the development cycle.
* Identified, documented, and tracked defects meticulously with **defect tracking tools, ensuring swift resolution** and thorough verification of defect fixes.
* Developed automated SQL scripts for efficient **data setup, validation**, and **database verification,** streamlining testing processes and enhancing efficiency.
* Managed and maintained **diverse test data sets**, ensuring availability of relevant and varied data to support testing activities.
* Implemented **Automated UI tests** using **Selenium** to validate critical user workflows and ensure seamless user experiences across different browsers and platforms.
* Collaborated closely with infrastructure teams to set up and **manage test environments**, **ensuring appropriate configurations** for effective testing.
* Conducted performance testing using tools like **JMeter** to evaluate system scalability, response times, and resource utilization.

**EDUCATION :**

**Bachelor’s in Electronics and Communication Engineering Aug 2009 – July 2013**

Swami Vivekananda Institute of Technology