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Professional Summary:

- A technocrat with **7+ years** experience in Software Quality Assurance in Manual Testing, Automated Testing, Database Testing, and web-based application and client/server-based applications.
- Worked in Software Development Life Cycle (**SDLC**), Software Test Life Cycle (**STLC**) and software development methodologies such as **Agile and Waterfall**.
- Utilized Agile methodologies to facilitate communication between cross-functional teams, resulting in efficient project execution.
- Successfully managed QA efforts for multiple projects, ensuring the delivery of high-quality software products within deadlines.
- Experience in **unit testing, functional testing, non functional testing, user acceptance testing, integration testing, system testing, performance testing, regression testing, silk testing, sanity testing, exception testing, compatibility testing** of client/server and web-based applications.
- Proficient in using various testing tools and frameworks, such as Selenium, JUnit, TestNG, or similar, for automated testing.
- Strong knowledge of **manual testing** techniques and methodologies.
- Familiarity with bug tracking and test management tools like **JIRA, TestRail, or Bugzilla**.
- Skilled in creating and executing **test cases**, **test scripts** and **test plans**.
- Expertise in testing **web applications**, **mobile applications**.
- Proficient in **test data management** and **test environment setup**.
- Capability to collaborate with development teams to resolve issues and improve software quality.
- Demonstrated adaptability to changing project requirements and the ability to respond to unexpected challenges.
- Worked on Data Driven and Keyword Driven automation testing framework with **Selenium WebDriver** using **Java**.
- Worked on creating and implementing **Behavior Driven** Framework using **Cucumber and Gherkin**.
- Experience on **REST API** testing and validating various **APIs** used in the application using **REST Assured.**
- Experience with Testing like **Black Box Testing, White Box Testing, Functionality Testing, Unit Testing, Integration Testing, System Testing, Modular Testing** and **Backend Testing.**
- Experience in Selenium Automation using **Selenium, Selenium IDE, Selenium Grid, Java, Eclipse and TestNG**.
- Generated **Requirements Traceability Matrix, Test Plan, Test Cases** and **Test Scripts** using business specifications and crude requirements.
- Worked on a complete QA cycle from **testing, defect logging and verification of fixed bugs.**
- Expertise in performing **mobile application testing** using **Appium.**
- Conducted accessibility testing to ensure compliance with ADA standards, making software more inclusive.
- Developed **BDD** scripts with **Cucumber** and writing step definitions for behavior.
- Experience in developing selenium automation framework using **TestNG** and used **Maven** to execute automation suites.
- Good experience in configuring and utilizing testing tools like HP **ALM, Microsoft Test Manager** and other requirement specification tools like **Jenkins.**
- Developed and maintained automated test scripts for Regression testing using **POM framework with Java, Selenium WebDriver and TESTNG**.
- Experienced in creating and maintaining **API test frameworks** using **Cypress**, enabling efficient and scalable testing processes.
- Having good experience using build management tool **MAVEN**.
- Developed test plans, test cases and conducted testing of **Actimize software modules**, including but not limited to transaction monitoring, case management, and regulatory reporting.

- Execute functional, regression, integration, and performance tests to ensure the quality and reliability of **Actimize applications**.
- Knowledge on AWS services like **Amazon EC2, Amazon S3.**
- Used **AWS Lambda** to run automated test scripts and performed continuous testing without the need to manage servers or infrastructure.
- Used **AWS Code Pipeline** to automate the build, test, and deployment process ensuring rapid and reliable delivery of software updates.
- Led testing efforts for database platforms including **MongoDB** and **Oracle DB**.
- Sound understanding of **MySQL** and **Cassandra** databases, capable of validating data interactions and performing database testing.
- Experienced in analyzing logs using **Splunk** for troubleshooting, monitoring, and identifying patterns in application behavior.
- Utilized **Postman** to design, execute, and automate API tests, resulting in efficient testing processes.
- Developed and executed comprehensive test plans, test cases, and test scripts to validate database functionality and performance.
- Conducted thorough testing and validation of Kafka-based applications, ensuring they meet the required specifications and quality standards.
- Involved in Web services testing using **REST-Assured** to send request & validate response **JSON**.
- Experience in **RESTFUL** Web service testing using Rest Assured framework java, Validated JSON formatted data, different http status code like 200, 201, 400, 415, 500etc.
- Experienced in using **TestNG** testing framework as a test runner with **Selenium**.
- Used **Jenkins** as **Continuous Integration and Delivery (CI/CD)** tool in a **Maven** based project.
- Used **GitHub** as code repository and run the test suite via **Jenkins**.
- Proficient in testing database of applications developed with **SQL Server**.
- Well experienced in writing complex **SQL** queries for extracting data from multiple sources.
- Proficient in creating comprehensive test strategies and test plans for complex systems.
- Successfully executed and managed large batches of test cases, ensuring thorough coverage and accurate reporting of defects.
- Worked **on onshore and offshore models** with good analytical and communication skills and ability to work independently with minimal supervision and perform as part of a team.
- Collaborated with cross-functional teams to gather and analyze requirements, ensuring clear test cases and comprehensive test coverage.
- Presented comprehensive **test reports and metrics** to project stakeholders, facilitating informed decision-making.
- **Mentored junior QA team members**, fostering their growth and enhancing the overall team's capabilities.

Technical Skills:

Automation Testing Tools	SeleniumWebDriver,TestNG,SeleniumIDE,Cypress,HPQTP,JIRA, QualityCenter, Junit, Cucumber, HPALM ,SOAPUI, SILK
Languages/Scripts	Java, JavaScript, jQuery, SQL
Frameworks	TestNG, Page Object Model (POM), BDD-Cucumber, TDD
Databases	SQL Server, MS Access, Mongo, Oracle, Cassandra
Web Technologies	HTML, CSS, XML
CI/Build Tools	Jenkins, Maven, Ant, Gradle

Bug Tracking Tools	Jira, Rally, TestRail, Bugzilla
Repository System	GIT, Github, Subversion
Web Services	SOAP, REST
Operating systems	Windows, Linux, Mac
Cloud	AWS

Professional Experience:

Client: Master card, Atlanta, USA   **Jun 2022- Present**
Role: QA Automation Engineer

Responsibilities:

- Developed automation scripts using **Selenium WebDriver, Eclipse, Maven, TestNG, and Java**.
- Worked in **Agile** methodology, participated in daily **SCRUM** meetings and testing each SPRINT deliverables.
- Created **Feature File, Scenario Outline** with Cucumber framework and wrote **Acceptance test** using BDD **Cucumber/Java**.
- Created automated script for **REST-API** testing using Rest Assured framework.
- Used **Postman and REST Assured** to test REST API.
- Used **JIRA** for bug tracking and reporting.
- Performed Cross-platform, **Functional**, **Non functional**, **Regression testing**, UI testing for mobile app using **Appium** test automation framework.
- Performed **regression testing** to validate that new code changes do not introduce defects into existing functionalities.
- Maintained and executed regression test suites using automated testing tools.
- Performed **non-functional testing**, including load testing, stress testing, and performance testing, to identify system bottlenecks and ensure optimal application performance.
- Developed and maintained **automated test scripts** using industry-standard tools for web solutions.
- Executed automated tests to ensure the functionality and performance of web-based applications.
- Utilized **SILK** for test case management and execution. Created and managed test scripts within SILK to streamline test workflows and improve testing efficiency.
- Performed **black box, module, integration, and system** testing.
- Created automation framework using **POM- Page Object Model**, and **Data Driven** to test web application.
- Performed **integration** and **regression testing** to check compatibility of new functionality with the existing functionalities of the application using **Selenium**.
- Developed automation test plans and identifying test cases for automation.
- Created **Requirement Traceability Matrix** and updated the requirement traceability matrix timely with the changes.
- Established traceability between project requirements, user stories, and test cases.
- Ensured that **test cases** cover all specified requirements and use cases.
- Participated in the full Software Life Cycle for testing activities – from **Test planning, Test execution** to test monitoring, status reporting, documentation, and data validation and Regression Testing.
- Executed all the Test Cases in the **Test Environment** and maintained them and documenting the test queries and result for future references as well as triage automated test results.

- Developed and executed automated test scripts using **AWS resources**, such as **AWS Lambda functions** and **AWS CodePipeline** to create an efficient and scalable test automation infrastructure.
- Leveraged **AWS API Gateway** and **AWS Lambda** to perform thorough API testing for various microservices and integrations within the Mastercard application ecosystem.
- Validated data integrity, security, and proper error handling.
- Conducted load and performance testing using AWS Load Balancer and Auto Scaling to assess the application's scalability and performance under different traffic conditions.
- Tested **microservices** within **Kubernetes** clusters hosted on AWS, ensuring smooth communication and integration among services.
- Collaborated with development teams to address API issues, resulting in a 30% reduction in post-production defects.
- Utilized **Postman** to design, execute, and automate API tests, resulting in efficient testing processes.
- Analyzed logs using **Splunk**, identifying anomalies, troubleshooting issues, and assisting developers in resolving backend problems.
- Ensured adherence to security and compliance standards by conducting security testing using AWS Identity and Access Management (IAM) and other AWS security services. Collaborated with security teams to validate data privacy and access controls.
- Performed database testing, validating data accuracy and consistency in **MySQL** and **Cassandra** databases.
- Actively participated in agile development sprints, providing valuable QA insights and ensuring high-quality deliverables.
- Designed and developed a modular **Cypress framework**, incorporating best practices and reusable components, leading to improved test maintenance and reduced script development time by 40%.
- Used **Jenkins** to build and run the Selenium automation test cases on **Grid**.
- Performed the testing of **Restful** web services for apps for the using **Rest Assured**.
- Worked on **Data Driven** Framework and **MVC** for Automation **test scripts**.
- Performed **Functional, Regression, GUI**, and **Usability testing** using **Selenium** with Java using Page Object Model in **TestNG** framework and using CI Jenkins to ensure web application is automatically tested via scripts.
- Used **SOAP UI** tool to test SQA based architecture application to test SOAP services and REST API.
- Involved in the database testing using **SQL** Queries of the application like checking all the tables in the database and checking whether the data is moving in their respective tables.
- Leveraged test management software to plan, execute, and track test cases.
- Utilized S**QL** to perform database testing and create custom test data as needed.
- Configured and run test cases on **Jenkins** using batch file for continuous integration process.

Environment: Java, Selenium WebDriver, Appium, Cucumber, TestNG, Maven, Jenkins, Eclipse, Page Object Model (POM), SOAP, REST API, HTML, Maven, GitHub, Eclipse, Fire path, BDD Cucumber, Jira, Agile, AWS, MySQL, Cassandra.

Client: Nokia, Bangalore, India   **Nov 2020- May 2022**
Role: Software QA Engineer

 Responsibilities:

- Developed and executed Test Suites and Test Scripts based on the requirement documents and using Test Manager.
- Exported Test case Scripts (**Java-Selenium Web Driver**) in Eclipse IDE and modified the **Selenium** scripts and executed.
- Experience in Automation Testing and Exploratory Manual Testing (Black Box/White Box Testing) on Web-based applications.
- Performed **API testing** using SoapUI and Postman tools. ALM, Quality Center for creation of test cases and Defect Tracking and recording of test outcomes.
- Implemented Page Object Model framework with **Python** and **Selenium**.

- Defined test automation strategy, designed automated tests, created automated test cases, test plans, and executed tests using **Selenium**.
- Performed **Sanity, Functional, Non functional, Negative, Regression, System, Integration, End-to-End, and Backend testing.**
- Performed non-functional testing, including load testing, stress testing, and performance testing, to identify system bottlenecks and ensure optimal application performance.
- Used **Jenkins** for continuous integration and continuous deployment of automation batch run job.
- Used **POM** (Page Factory) design pattern to create an automation framework.
- Conducted **accessibility testing** to ensure that applications comply with ADA standards, making them accessible to users with disabilities.
- Used specialized tools and techniques to evaluate accessibility.
- Proficient in **Mobile testing** methodologies, including native and hybrid mobile applications, responsive web design, and mobile test automation frameworks.
- Created parallel automation test execution using Selenium Grid and **NUnit**.
- Used locators such as Id, Name, Link, DOM, XPath, CSS, UI element.
- Developed and executed automated test scripts on **AWS** using tools like **AWS Lambda** and AWS CodePipeline to achieve continuous testing and faster feedback loops.
- Created automation framework in **Selenium WebDriver** and NUnit using Behavior-Driven Development (BDD) approach with **Gherkin**.
- Experience with testing on **UNIX/Linux** and Windows environments.
- Validated the back-end data using SQL queries for data integrity.
- Identify, report, and track defects using a defect management system (**e.g., Jira**).
- Collaborated with development teams to prioritize and facilitate defect resolution.
- Worked closely with the Developers in the review and modification of the product and its specifications using Agile-testing methodology.
- Collaborated closely with developers, product owners, and business analysts to clarify requirements, resolve issues, and ensure clear communication between teams.

Environment: Selenium WebDriver, JMeter, Jenkins,Postman, BDD,TDD, HTML, XML, Xpath, JavaScript,SQL,SQL Server, AWS, Windows.

Client: HDFC Bank, Chennai, INDIA   **May 2017– Oct 2020**
Role: QA Automation Engineer

Responsibilities:

- Involved in automation scripts for mobile native applications using **Java and Selenium**.
- Developed test scripts to automate process of testing in **Selenium WebDriver**.
- Performed **Functional Testing, Regression Testing, System Integration Testing, User Acceptance Testing (UAT), and End-to-End** Testing.
- Involved in creating and implementing of automation framework in Selenium WebDriver using behavior driven approach like Cucumber.
- Developed comprehensive test plans and test cases based on requirements and specifications provided by business analysts and developers.
- Conducted thorough testing of **Actimize** software modules, including but not limited to transaction monitoring, case management, and regulatory reporting.
- Executed functional, regression, integration, and performance tests to ensure the quality and reliability of **Actimize applications**.
- Selected the test cases to be automated and performed functional testing of the front-end using **Selenium (IDE and Web Driver)** and created Business Driven framework using **TestNG, Cucumber**.

- Developed **Selenium Automation Framework** with **Java** using Page Object Model (POM) and TestNG as test runner.
- Implemented **Page Object Model** and **Page Classes** from scratch to represent web pages.
- Developed **Data Driven frameworks** and **BDD (Behavior Driven Development) using** Cucumber to retrieve test actions, test data from Excel files and SQL Databases.
- Performed **back-end testing**, database table manipulations of relational database systems by writing complex SQL queries manually.
- Used **Jenkins** as a Continuous Integration server to configure with Maven.
- Led testing efforts for database platforms including **MongoDB** and **Oracle DB**.
- Developed and executed comprehensive test plans, test cases, and test scripts to validate database functionality and performance.
- Tracked and reported defects, and followed up on their resolution with developers.
- Developed and maintained automated test scripts and frameworks for **Kafka applications** to increase testing efficiency and coverage.
- Conducted performance testing on **Kafka clusters** and applications to assess their scalability and responsiveness under different loads and conditions.
- Executed **SQL** queries to extract data from Source system to warehouse and from warehouse to the data marts and validate the results.
- Integrating automated tests into CI/CD pipelines to enable faster feedback and shorter release cycles.
- Setup the Automation framework using **Selenium** WebDriver to run test cases in multiple browsers and platforms and executed and maintained automation **Test Scripts in WebDriver using Java, TestNG.**
- Created Test Automaton Framework with **Cucumber** and **Selenium** Web-Driver.
- Maintained and executed **Maven** build files for running automated test cases along with **Continuous Integration** tools like **Jenkins.**
- Developed and implemented **TestNG** Scripts for sequential execution of the BDD framework.
- Used **GitHub** as a source repository system to share code within multiple teams and projects.
- Performed **User Acceptance Testing (UAT)** on each release of the project with the help of end user requirements.

Environment: Java, Selenium WebDriver, Appium, Cucumber, TestNG, Maven, Jenkins, Eclipse, Page Object Model (POM), Functional Testing, Regression Testing, System Integration Testing, User Acceptance Testing (UAT), and End-to-End Testing, SQL, REST API.

Client: Softtek India, Bangalore, INDIA   **July 2015 – Apr 2017**
Role: QA Tester

Responsibilities:

- Designed and developed **test plans and test scripts** for manual and automated testing of the application under different environments.
- Executed **test cases, logged defects**, developed **test defect reports,** and escalated issues.
- Generated **test plans, test cases** and executed **test cases** using Quality Center.
- Prepared the data to cover various scenarios and wrote **SQL** scripts to verify the database updates, inserts and deletion of the records.
- Reviewed database test cases according to assigned Requirements to validate reports by retrieving data with complex **SQL** queries from Oracle database.
- Used Selenium WebDriver locators like **(XPATH, CSS Selectors, Firebug, Fire path locator)** and WebDriver to test the web application and Rest Assured for Rest API Automation.
- Performed Regression and Integration Testing using **TestNG** framework and executed assertions.

- Extensively automated regression and functional test suites by developing test cases, tests Suites using **Selenium, Java** and implemented automation using Selenium with **Cucumber and Maven.**
- Prepared **XML** and **Excel** files for collection of data and Element Locators using object repository, used this in test suite with the help of **APACHE POI** library files.
- Performed **Smoke, Sanity, Regression, Integration, and Functional** tests.
- Performed **user acceptance testing** in the final phase of software development process to check the functionality of the software.

Environment: Java, TestNG, MS Visio, Page Object model,JMeter,Cucumber,Selenium, Smoke, Sanity, Regression, Integration, and Functional testing, Oracle, SVN, XPATH, CSS, Quality Center

Education:
Bachelors from Osmania University.   2015