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# PROFESSIONAL SUMMARY

* Accomplished **Senior ǪA Automation Engineer** with over 10 years of experience in **quality assurance** and **automation testing**. Expertise in designing and executing **comprehensive test strategies** across the full **SDLC lifecycle**, ensuring high-quality deliverables aligned with business requirements.
* Extensive domain knowledge in the field of **Banking**, **Payment** and **Exception Processing**.
* Build **Test Automation framework** for **API**’s and developed reusable scripts using **Python** for

**smoke**, **regression** and **E2E testing** and used **Postman** for module level unit testing.

* Strong experience with **SOA (Service-Oriented Architecture)** which includes **SAOP** and **Restful Web Services Testing**.
* Involved in testing both **SOAP** and **REST services** using **Rest Assured** and tested both **XML and JSON formats**.
* Experienced in **Behavior Driven Development (BDD)** and **Data Driven Development (DDD)**

## and Test-Driven Development (TDD).

* Experienced with test frameworks, such as: **JUnit**, **TestNG**, **Cucumber**.
* Experience in Web Services testing using **SOAP UI**.
* Strong knowledge of **source controller concepts** like **branching, merging** and **tagging**. as well as packaging, build optimization, production rollouts, and staging.
* Skilled in **defect tracking (JIRA), root cause analysis, smoke testing, operational support, and service delivery** on web/app servers like **Tomcat and WebLogic**.
* Planning, Design, Road maps, POC implementations for **AWS Cloud technologies**, adopting a

## cloud-first strategy.

* Hands-on experience handling **unexpected runtime events**, such as popup windows, using

## Recovery Scenarios in HP Quick Test Professional (QTP)/Unified Functional Testing (UFT).

* Experience with **UML**, **Rational Unified Processes (RUP)** and **Migration Testing**.
* Executed a Continuous Delivery pipeline with **Jenkins**, **GitHub**, enabling automatic Docker container creation whenever a new GitHub branch is started.
* Create complete solution for continuous integration tool such as Jenkins/Hudson from code checkout from GitHub to regression report generation.
* Strong knowledge of **OOP concepts using Core Java**, including classes, **objects, data structures, inheritance, polymorphism, exception handling, collections, reflection, and packages**.
* Good understanding of Quick Test Professional features like Object Repository, Checkpoints, Object identification, Descriptive Programming, Exception Handling, Regular expression and Object Spy.
* Coded multiple **helper** and utility classes in **Java** and leveraged **Log4j** for logging and debugging.
* Strong knowledge of SQL and able to write complex queries to verify data in Oracle DB.
* Designed, installed and implemented **CI/CD** automation system, creating and updating **Bash scripts, modules, files, and packages**.
* Extensive experience working with **Jenkins for continuous integration and end-to-end automation** for **builds and deployments**.
* Analyzed heap dumps from different JVMs in distributed architectures, tuning **Max/Min heap sizes**, optimizing **G1 GC** policy, and configuring JVM settings for performance improvements.
* Extensive experience using **MAVEN** and **ANT** as build tools for generating deployable artifacts (**JAR, WAR, EAR**) from source code.

# TECHNICAL SKILLS:

Programming Languages: Python (advanced), **Java** (intermediate), VBScript (basic), SQL (advanced),

**Java**Script, TypeScript, Node.js

Web Technologies: HTML, CSS, JSON

Automation Tools: **Selenium** (test automation), JMeter (performance testing), Postman (**API** testing), WDIO IO, TOSCA

**API** Test Automation: RESTful Web Services, Axios, Jest Databases: MySQL, SQLite, Microsoft SQL Server Development Tools: Visual Studio Code, Eclipse

Version Control: Git, GitHub, GitHub Actions Testing Frameworks: TestNG, JUnit Methodologies: Agile Scrum, Lean Development Other Tools: Jira

# PROFESSIONAL EXPERIENCE

## Webster Bank Southington, CT Jan 2024- Till date Sr. Automation Engineer

**Responsibilities:**

* Worked in web-based application that enables the customers to account through the websites.
* Experience enables the credit card account holders to login to their account online and manage their account center. Features such as tracking of charges and payments before they get their paper statements, view and pay bills, recent activities, past statements, payment history are provided.
* Followed Agile testing methodology, participated in daily SCRUM meetings and testing each SPRINT deliverables.
* Involved in creating Test Case Scenarios, Test Case Execution and maintaining defects using JIRA Tool.
* Tested Web Services based on data and functions by SOAPUI.
* Validate and execute Test Cases in the UAT environment in different browsers and logged defects in Jira for failure Test Cases.
* Wrote and execute SQL queries and Joins, Group by clause, having clause etc. to validate the data.
* Performed **API** Testing using Cypress Automation and Postman.
* Worked with REST **API** using Swagger tool and chrome extension of Postman to Validate request and response of the JSON.
* Experienced in hybrid-based iPhone applications using Objective C and Swift, XCode.
* Wrote Python scripts to parse JSON documents and load the data in database.
* Used protractor for testing **Java** script code.
* Develop Node based Automation scripts using **Java**Script for Ul Automation.
* Expertise in testing Mobile devices, Tablets, Mobile simulator, emulator.
* Developing **Appium** Scripts for Native and Hybrid Android/IOS Apps using **Java**.
* Participated in developing common **Appium** framework for both Android and IOS
* Worked with AWS cloud machines to set up **selenium** GRID and also Jenkins server on HUB machine.
* Performed Ul Automation using the browser automation tool GEB within **selenium** and groovy scripting language and TestNG framework and validated the REST response with UI
* Performed web services, Mobile Testing and Black box testing methods -Functional, Integration, System and Acceptance.
* Experienced in performing Data Driven Testing using parameterization in Quick Test Pro, to test the Application with different sets of data.
* Automation of React.js applications using WebDriver (**Selenium** 2.0), Protractor, frameworks using **Java**Script (ES6).
* Used web-debugging tools like XPath, Firebug and Fire path to locate elements.
* Responsible for creating automation framework using POM- Page Object Model, and Data Driven to test web application.
* Developed test code in **Java** language using IntelliJ, Eclipse, IDE and TestNG framework.
* Used Cucumber, **Appium**, X code for Native Mobile Application automation testing for iOS and Android platform.
* Experience in code refactoring for migration, **Java** programming features to enhance test cases, optimizing the code & execution time used Jenkins for batch, REST **API**’s, and comparison scripts for better test coverage.
* Created Feature File Scenario Outline with Cucumber framework and wrote Acceptance test using

**BDD**.

* Developed test Framework in WebDriver IO **Java**Script) for entire application including service calls, assertions, gitiab and teamcity integration.
* Writing the desired quantity to file in a suitable format for Espresso various types of plotting and various plotting programs.
* Experienced in Gray Box Testing (**Selenium** & **Appium**).
* Test case automation using Cucumber test automation tool and Gherkin scripting language.
* Implemented Test Data Management and Data subsetting services for Oracle and SQl Server databases.
* Developed Hybrid driven framework by using data driven and keyword driven framework.
* Conducted Automation/Manual testing using the Standards, guidelines and structured methodology in testing the application using **Java**.

## Etsy (Retail E commerce) Brooklyn, NY 11201, Aug 2023 to Dec 2023 Sr. QA automation Engineer

**Responsibilities:**

* Create Test Strategy and Test Plans for projects.
* Participate in requirements elicitation discussions with Business Analysts and users.
* Test Case preparation, Test data management, Test execution and Defect Reporting.
* Prepares Effort Estimation, Test Strategy and Test Plans for projects.
* Created and improved the front end regression and sprint story tests using the Behavior Driven Development framework: **Selenium**, Groovy, Utilized the **Selenium** grid to test across our supported browsers and operating systems.
* Implement Test Cases, Test Scenarios, behavioral features, and step definitions for **BDD** (Behavior Driven Development) using Cucumber, JUnit.
* Involved in **API** designing, requirement gathering and transformation of **API** design to their implementation.
* Developed SQL test scripts to profile and analyze sample tokenized payments data during migration to Enterprise data warehouse system.
* Managed access levels for different team members, ensuring appropriate visibility and control over testing artifacts.
* Created test strategy, framework, and overall methodology for the testing of EDW migration in payments technology transformation program.
* Contributed to Cypress Dashboards for monitoring test metrics across projects.
* Validated authentication and authorization mechanisms in RESTful **API**s, utilizing Rest Assured to test secure endpoints and access controls.
* Used ADB to assess security aspects of Android applications, including permission checks and sensitive data handling.
* Used Sauce Labs for cross-browser testing.
* Detected data quality issues early through comparative analysis of production vs EDW analytics reports.
* Stayed up to date with **Appium**’s latest features and updates, proactively suggesting and implementing enhancements to existing solutions to leverage new functionalities.
* Performed the unit test, integration test and assisted users in user acceptance testing (UAT).
* Testing the REST services using rest assure and tested both XML and Jason format.
* Validated SOAP UI and Restful **API** services
* Used **Selenium** “Cucumber” with **Java** to write acceptance tests for web applications.
* using cloud-based tools to evaluate application performance under varying user loads.
* Provided end to end application support for all appian application deployed.
* Developed and maintained end-to-end **Appium** solutions, incorporating best practices to ensure system reliability, performance, and user satisfaction.
* Positive and Negative Test scenarios are created to verify the functionality and the error handling capability of the application. Responsible for implementation of Hybrid Test Automation Framework, Page Object Model using **Selenium** Web Driver, **Appium** for both Android and iOS platforms and Required **API**’s time to time by requirement.
* Involved in cross verification of application data with that of database.
* Involved in Story backlog grooming sessions with Product owner and Scrum Team
* Used JIRA for Defect Reporting, Analyzing, Tracking and Report Generation.
* Used Docker container to run parallel test in AWS and create disposable infrastructure.
* Used Postman **API** Created and Verified Web services **API** requests
* Used “Jenkins” as a primary tool for implementing the Continuous Integration and Continuous Delivery of their code releases.

## Senior Quality Assurance Analyst, May 2014 to July 2022 Ryan LLC – Hyderabad, IN

* Led feature story testing, bug tracking, and issue reporting using JIRA, reducing critical bugs by 30% and improving overall user satisfaction scores by 15%.
* Supported the setup of environments, facilitated data migration, and refined acceptance criteria, streamlining development processes and ensuring smoother transitions.
* Conducted various testing methodologies, including exploratory, smoke, regression, and user acceptance testing (UAT), ensuring 100% compliance with pre-deployment requirements and achieving a 20% reduction in post-deployment defects.
* Designed and implemented detailed test cases, scenarios, and process flow diagrams, which optimized the efficiency by 25% and thoroughness of the testing cycles
* Fostered a collaborative testing culture by cross-training team members in advanced QA methodologies and tools, promoting knowledge sharing and skill enhancement.
* Developed and executed automation scripts for **API**s and Web UI using **Selenium**, **Java**, and RESTful Web Services.
* Collaborated in Agile ceremonies, including sprint planning, backlog grooming, and retrospectives, contributing to seamless Agile workflows.
* Performed **API** Test Automation with tools like Postman and Axios, verifying RESTful Web Services functionality.
* Introduced a metrics-driven approach to quality assurance, establishing key performance indicators (KPIs) to monitor defect density, test coverage, and mean time to resolution, leading to actionable insights and process improvements.
* Utilized WDIO IO and **Java**Script/Node.js to create robust automation frameworks, ensuring optimal test coverage and efficiency.
* Developed comprehensive technical documentation and reports, providing clear, actionable feedback to development teams and stakeholders, aiding in informed decision-making.
* Acted as an informal Business Analyst, leveraging business acumen to refine project scope and adjust user stories, ensuring deliverables aligned with business goals and customer needs.
* Played a key role in translating business requirements into precise technical specifications, ensuring development efforts were aligned with customer expectations and stakeholder needs.
* Initiated workflow optimizations in project and story processes, aligning the software development lifecycle with evolving business trends and market demands.
* Performed manual test cases across multiple browsers, methodically resolving issues to ensure cross-browser compatibility and functionality.
* Conducted smoke tests on each build to identify and rectify severe defects early in the development cycle.
* Identified user interface elements using CSS locators, HTML IDs, HTML tags, and XPath, utilizing tools like Firebug for precise element identification.
* Utilized **Selenium** WebDriver to automate testing for a wide range of web applications, implementing test libraries via the Page Object Model to manage the internal state of web elements.
* Developed and implemented test scripts using **Java** in combination with **Selenium** WebDriver, adhering to the established testing framework.
* Participated in script review sessions, ensuring the test scripts comprehensively covered the necessary test scenarios and met quality standards.
* Employed JUnit and TestNG frameworks to test implementation classes, applying various annotations to enhance testing effectiveness

# EDUCATION

Master of Computer Science, Aug 2022 - Dec 2023 Sacred Heart University. Fairfield, CT