**Manual/Automation Engineer/SDET**

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**Summary**

* Over 9 years of professional experience in Quality Assurance and Automated Software Testing using Selenium Web driver, Python, Java, and Postman Services.
* Solid knowledge of automation testing in Robot framework.
* Versatile in all stages of Software Development Life Cycle (SDLC) and Software Testing Life cycle (STLC) and worked on Waterfall, Agile Scrum and V models.
* Experience in Manual/Automation testing of Web/Mobile apps and client with specializing in Software Quality Assurance Testing, QA Automation Engineer proficient in testing on Client/Server and Web based and Mobile Applications.
* Strong experience in setting up the Automation Framework and using test automations tools like Selenium Web driver, Grid, TestNG, QTP, Appium, UI Automator viewer, Appium Inspector, Xcode, XCUI Test, etc..
* Created a frame work from scratch using API testing tool called Karate for REST API Testing.
* Developed Automated tests for components and templates in AEM WebApp.
* Proficient in developing, estimating, documenting, and executing test cases manually and generating automated scripts using Selenium IDE, Grid and WebDriver.
* Worked on multiple projects and was extensively involved in User Acceptance testing (UAT), End to End, Sanity Testing, Functional Testing, Regression Testing, Validation testing, Performance Testing, black box, white box and Cross Browser testing.
* Experienced in implementing test plans, test cases and test processes fueling swift corrective actions, significant cost savings and fault free audits.
* Expertise in Automation Tool Selenium WebDriver and load and performance testing tool JMeter.
* Sound knowledge in performing functional, unit, End to End testing and integration testing using WebDriver and TestNG, MAVEN framework with Page Object Pattern, Data Driven and injecting dependency in XML, Ant for Project Building tool, Jenkins for continuous Integration.
* Experience working with JMeter in performance testing for web applications and web services.
* Developed automated scripts and frameworks using Java.
* Fully involved in the process of Defect Identification and resolution using tools like Bugzilla, JIRA, Rally, Quality Center, Rational ClearQuest, HP ALM and Microsoft Test Manager (MTM).
* Writing and executing SQL, DDL statements for checking the validity and integrity of data in various databases such as Oracle, MySQL, and Microsoft SQL Server etc.to perform backend/ETL Testing.
* Experience with source version control tools such as Subversion TFS & Git.
* Comprehensive knowledge in Web Services testing using SOAP and REST JSON XML web services using SoapUI, Soap Pro, Postman, Rest Assured and tested both XML and JSON formats.
* LoadRunner Scripts were written, enhanced scripts with C functions, Parameterized, stored dynamic content in LoadRunner functions and analyzed test results using LoadRunner Analysis, various monitoring tools and prepared Test Reports.
* Having great knowledge in TestNG framework.
* Experienced in using Apache POI to read data from external sources to feed locators into the test script.
* Good experience in develop framework to test Rest API’s and Microservices.
* Experience in Behavior Driven Development (BDD), Acceptance Test Driven Development (ATDD) using Cucumber, and Gherkin.
* Experience in developing, implementing, and maintaining Automation frameworks Page Object, Hybrid, Keyword Driven and Data Driven Frameworks.
* Well versed with testing in various domains like Banking, Health, Retail, and Insurance domains.
* Effective committed team player with excellent analytical skills and self-organizing skills.
* Intermediate Swift knowledge, automate iOS, app regression using XCUI Test Libraries.
* Excellent knowledge of HIPAA standards, EDI (Electronic data interchange), transaction syntax like ANSI X12, Implementation and Knowledge of HIPAA code sets, ICD-9, ICD-10 coding and HL7.
* Involved in various HIPAA and HL7 testing and validation for EDI transactions using, 834, 835, 837, 270/271, 267/277, 278.
* Experience with Health Insurance Packaged Application like QNXT.
* Good team player with the ability to lead, manage and work independently.
* Experience with health care Systems: FACETS, Medicare Part A, B, C, D, Medicaid systems
* Worked on different EDI healthcare transactions like 837 for submitting claims, 835 for payments, 834 for benefit enrollment and 820 for premium payments to insurance products, 270,271 for health care benefits and eligibility, 275 for patient information, 276, 277 for claims status and 278 for transmitting health care service inform.
* Expertise in Claims, Subscriber/Member, Plan/Product, Claims, Enrollment, Provider, Commissions and Billing Modules
* Extensive knowledge of MMIS claims processing.
* Experience in working with Work Breakdown Structure (WBS), in project management and systems engineering.
* Specialized in test procedural development and review, tool validation, project customization and administration, defect management, configuration management, version control and business documentation.

**Technical Skills**

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| Project Methodologies: | Waterfall, Agile (SCRUM) |
| Defect Tracking Tools: | JIRA, HP ALM, QC, JAMA |
| Operating Systems: | Microsoft Windows XP, Vista/7, Mac OS X |
| Databases: | MS SQL Server |
| Tools:  Languages: Java, C#, HTML, CSS, XML, PHP | MS Project, SQL, MS Office Suite, MS SharePoint |

**Education:**

Bachelors in Computer Applications (BCA), Madras University, 2004

Masters of Computer Applications (MCA) University: J.R.N Rajasthan Vidyapeeth University

**Professional Experience**

**Fiserv, Frisco,TX May 2023 – Present**

**SDET**

**Responsibilities:**

* Review and analyze Business Requirements, Functional Specifications and Detail Design of the Application.
* Involved in development of hybrid framework using Python and Pytest.
* Developed framework from the scratch for using Cypress to automate UI and used Java script, NodeJs, and NPM for angular based user interface.
* Performed API level testing and Web services, enhanced the test harness and developed many test suites using XML and Python developed scripts in Python to Automate the data analysis , generating statistics isolating trends in memory failures.
* Create test Plans, test cases and test conditions (both positive and negative) as per the requirements and review the same with team.
* Coordinate with Configuration, Infrastructure and Environment planning team and with DBAs for promoting the code and setting up the QA environment.
* Responsible for detecting salesforce elements using Selenium xpaths and for writing various functions that can be triggered through Provar.
* Used Java and Rest Assured to test Microservices created with Spring boot.
* Perform functional design and test planning, preparation and executions such as the creation of data and scripts to test complex systems.
* Performing hands on authoring in AEM assisting with bug fixes and RC
* Worked on TSYS Main Frame application screens for account Transactions.
* Implemented handset automation Framework, scripting and execution Sanity, Regression Stress and Boundary test cases for Mobile applications using Device Anywhere Automation tool
* Worked on Android, ios, and web apps and API testings.
* Executed test cases using JAMA tool and followed defect tracking work flow in JIRA and worked in parallel to resolve the issues rest to close the JIRA tickets.
* Created web UI tests using Cucumber, Gherkin, and Cypress Automation.
* Performed API testing using Cypress Automation and Postman.
* Used localization techniques in Xamarin for data translation.
* Used Xamarin Insights for Analytics and error handling.
* Responsible for building Mobile Applications Using Xamarin Studio.
* Extensively used JAVA OOP’s concepts for developing Automation Frameworks using Eclipse, Maven, Selenium WebDriver and TestNG.
* Used JAVA singleton technique to create Frameworks.
* Created customized XPATH and CSS for identifying dynamic elements.
* Used Page Object Model (POM) to create Automation Framework using Eclipse, JAVA, Selenium WebDriver, TestNG, Maven and Apache POI.
* Extensively used TestNG Listener to generate automatic response on Test failure, Skip, and Success.
* Used ReportNG and Extent report for creating Test reports.
* Implemented a Continuous Delivery Pipeline with Jenkins with Maven, and GitHub, and AWS.
* Continuous Knowledge update on AWS features.
* Setup test project from scratch in Xcode using XCUI Test Libraries
* Generated reports for XCUI Tests using tools like Xcpretty, XCHTML Report.
* Developed Automation Framework for Acceptance Testing using Cucumber BDD and JUnit.
* Developed Features, Scenarios and Step Definitions using Gherkin, Java, WebDriver.
* Used Swagger to get REST API Specification and Documentation, Created and Tested Mock Service for the specification using SOAPUI Pro.
* Created End to End Automation Framework for RESTful Web services testing using POSTMAN and REST-assured.
* Automated Data Integrity testing using SQL, JDBC, and Selenium.
* Involve in Functional, Integration, End-to-End and Regression Testing.
* Support business users during User acceptance testing.
* Developed automation framework using, java, Selenium.
* Reviewed Manual test cases thoroughly and developed efficient automation scripts with selenium WebDriver using Java Programming in Eclipse IDE.
* Publish test exit report upon completion of testing and review the same with applicable stakeholders.
* Excellent experience in Using JAMA and JIRA to the log defects, track and generate defect reports and graphs.
* Used JIRA to track the tasks and issues, attended daily status meetings to update the status of work.
* Attend Backlog refinement, Sprint Planning, Daily stand up and Retrospective meetings.

**Environment:** Selenium WebDriver, TestNG, Maven, GradleJenkins, Cucumber, SOAP UI, Post Man, REST-assured, Eclipse, Oracle, Apache Tomcat, WebLogic, Windows Server, HDFS, HP Quality Center

**TennCare Medicaid - State of Tennessee (DXC)**

**Nashville, TN NOV 2019 – April 2023**

**Lead QA Automation Engineer**

**Responsibilities:**

* Involved in MAR functional area testing of Medicaid that provides programmatic, financial and statistical reports to assist the state and federal government with fiscal planning, control and evaluation of the Tennessee medical assistance programs.
* Used Selenium Webdriver, java, Junit and Maven for designing automation test cases.
* Automated the API services using Karate DSL framework for Unit Testing, Integration testing, and regression testing.
* Hands on experience on working Cypress for angular application end to end testing
* Responsible to provide Support and Guidance to functional business development teams for four of these initiatives, Including Patient Access Interoperability (PAI) to empower Patients/Members in the participation of their care by providing data transparency.
* Through the use of standard office automation and graphic tools, along with COTS applications, responsible supporting and providing guidance for MMIS project managers and staff, monitoring project risks and issues.
* Tested the various Service Oriented Architectures (SOA) spanning across various web services using SOAP and WSDL across various applications using SOAP UI.
* Developed the UAT Test cases and executed them with the flow of the project.
* Maintain an understanding of current business issues, objectives and strategies within Managed Care, Claims Adjudication, Financial and Business Analytics domains of Medicaid and recognize issues and opportunities to optimally apply technology to enhance existing and to build new business capabilities.
* Produced reports from oracle database using Toad
* Performed Automation for regression using Selenium Web Driver and Selenium GRID, Pytest Frameworks.
* Implemented mobile automation frameworks using Appium
* Tested Rest API using Rest Assured , TestNG.
* Performed the testing on the various mobile devices with a various platforms (IOS, Android)
* Created the new AWS instances based on requirement.
* Developed and executed SQL queries to verify the proper insertion, deletion and updates into the Oracle supporting tables and cubes
* Involved in Mobile testing includes App testing, test Automation for web application using Cucumber.
* Expertise on Testing REST API using Robot Framework and SOAP UI
* Written test automation scripts in Selenium Web Driver using Java, JUnit and TestNG
* Experience in Jenkins/ Azure Devops is used for CI/CD Pipeline.
* Managed Continuos testing Cycle in Devops by Atomated test cases and integrating with CI/CD Pipeline.
* Working with Java to use Selenium-WebDriver API library to write automation scripting with Cucumber Feature and Scenario.
* Also responsible for converting automation scripts to new framework using Selenium WebDriver, Java and TestNG/Junit.
* Developed BDD tests using Cucumber by writing behaviors and step definitions. Developed required Selenium support code in JAVA for Cucumber.
* Created test plans and detailed test cases for web tests to be performed with Selenium/Java/Python.
* Created different feature files using Gherkin keywords. Used Cucumber and Serenity BDD framework with Selenium Web driver.
* Performed functional testing of web services using SOAPUI and RESTful web services.
* Tested request and response XML's based web services interfaces using SOAP UI.
* Developed test scripts for web services using SOAP UI and worked with XPATH, Spring Boot Framework.
* Designed and implemented detailed test scenarios to validate the changes made to the system
* Analyzed and reviewed business, technical and functional requirements to script User Acceptance Test plans.
* Troubleshoot any problems found within QNXT when testing SQL database while validating against the business rules.
* Developed and implemented EDI applications to process Health Care transactions as per the HIPAA implementation.
* Used Jenkins with Maven for continuous integration.
* Outlined approach for documenting, tracking, and resolving issues found during testing, outlined approach for developing acceptance criteria.
* Experience in automating regression test cases using Selenium WebDriver.
* Performed functional testing of web services using SOAPUI and RESTful web services.
* Expertise in System testing, User acceptance testing, Regression testing, Smoke testing, Disaster Recovery testing
* Experience in using Jenkins as a Continuous Integration server to configure with GitHub and Maven.
* Analyze Test Result, reported Defects, tracked Defects and maintained Test Results using HP ALM.
* Involved in User Acceptance testing which enabled the state to assess the interchange system’s capability to operate and perform in accordance with approved requirements.
* Extensively experienced in the creation of test scenarios based on the Design specifications document.

**Environment:** Java, Python, Spring Boot, Selenium, Cucumber, HP ALM, MS Outlook, SAOP UI, MS Office, AWS, CI/CD, interchange, Jenkins, MMIS, Maven, Gradle, TestNG.

**State of Nevada (DXC) May 2017 – Oct 2019**

**QA Analyst/Test Engineer**

**Responsibilities:**

* Worked with the client’s project team and Relationship Managers to identify requirements, test cases and to develop business specifications for the inter Change system.
* Supported technical teams to ensure that business requirements are appropriately and comprehensively translated into solid technical designs.
* Actively involved in SDLC and STLC process and used tools like Selenium RC/Web driver, JMeter, SOAP UI.
* Participated in the elicitation, documentation, analysis and business requirements.
* Created various use cases, workflow diagrams and screen mock-ups.
* Involved in User Acceptance testing (UAT) and gave valid recommendations to the users.
* Reviewed the Business requirement and High-Level design documents and created test plan.
* Created Requirements Traceability Matrix (RTM) and validated the traces.
* Effectively communicated project status, risks, issues, and constraints to project management.
* Used SOAP UI tool to test SOA based architecture application to test SOAP services and REST API.
* Used Unix commands to access and troubleshoot Errors by accessing the Error log files.
* Expertise in Selenium Automation using Selenium WebDriver, Selenium IDE, Java, TestNG & Maven.
* Actively involved in using Test Automation Framework using Selenium Web Driver with C#.
* Ported existing QTP automation scripts into TestNG and Selenium test cases.
* Performance testing using JMeter tool & Agile and Scrum environment.
* Performed Browser Compatibility Testing using QTP.
* Developed Test Scripts for Data Driven Testing using QTP.
* Performed extensive Regression testing for subsequent versions of the application using QTP.
* Designed and developed a Hybrid Framework for automation with QTP.
* Knowledge of working on protocols other than WEB (HTTP/HTML).
* Analyzed Test Result, reported Defects, tracked Defects and maintained Test Results using HP ALM.

**Environment:** HP ALM, MS Outlook, iTrace, MS Office, interchange, MMIS, SharePoint, Soap UI, Selenium

**BlueCross BlueShield of North Carolina, Durham, NC Oct 2015 – Apr 2017**

**Manual/Automation Test Engineer**

**Responsibilities:**

* Analyzed the impact of new HIPAA standards on targeted systems, processes, and business-associate relationships.
* Automated the manual test cases using Selenium Webdriver by using C# Script.
* Created test Scripts using C# and Selenium Webdriver for the Functional test cases.
* Mocked up the inbound MCEC Membership Selection to MITS-1062 file and tested the outbound file MITS Eligibility and Demographics to MCEC: 1061 file.
* Verified the near real time 1061 XML file to ensure that the records are populated correctly.
* Created and processed the DTRR response file: Daily file received from CMS regarding MyCare enrollments/disenrollment.
* Develop QTP Scripts to load the test data into the Facets application.
* Automated business process using UFT in Facets production.
* Extensively work on EDI transactions 834, 835, 837I, 837P, 820 and 270/271
* Prepared Test Plans for each release, wrote Test Cases and executed them as part of Functional Testing. Prepared Test Reports and Deliverables and submitted for version releases.
* Worked on the eligibility lookup requests (270 X12) which rely on the Recipient data to respond to Trading Partners in the form of 271 X 12 transactions.
* Ensured that the monthly capitation cycles are running correctly.
* Worked on the 820 Payment Order/Remittance Advice header and detailed files. Ensured the payments are shown correctly in the 820.
* Involved concurrently in enhancement of HIPAA X12 4010 transaction to HIPAA X12 5010 and ICD 9-CM (Clinical modification) to ICD-10-CM/PCS (Clinical modification/procedure coding system)
* Ensured the capitation payments are split correctly based on the provider and is shown in the 820 file according to HIPAA guidelines.
* Enrolled the recipients to various managed plans and ensured the recipient information is sent to MCPs via the enrollment rosters (HIPAA 834).
* Verified the segments in the 834 Benefit Enrollment and Maintenance file are shown correctly.
* Designed the functional and regression test cases in HP ALM.
* Worked with the managed care plans and walked them over the UAT testing.
* Queried the tables using SQL queries to find the recipients meeting the correct criteria.
* Identified scenarios wherein the ABD/CFC recipients are ineligible for Managed Care when they gain Medicare Part A or B coverage.
* Processed the MMA file to add the Medicare coverage for the recipients.
* Verified if the data loads are updated correctly in the environments by querying the tables.
* Verified if the new populations (Foster Care, Adoption, BCCP, DD waivers) are getting enrolled in Managed Care properly. Ensured that the one-time letter is generated to the apt populations before the enrollment period.
* Created the 270 EDI mockup file and processed it. Verified the eligibility spans are shown correctly in the 271-response file.
* Worked in the BIAR (Business Intelligence Analytical Reporting) system to verify the reports related to Managed Care are generated with the correct data.
* Triggered the open enrollment and voluntary letters to ensure that they are sent to the correct population on the specific date.
* Supported test cycles, including test script development, and issue resolution.

**Environment:** HP ALM, MS Outlook, iTrace, MS Office, MITS (Medicaid Information Technology System), XML, interchange, MMIS

**Scripps Health, La Jolla, CA July 2013 – Sep 2015**

**QNXT/Manual Tester**

**Responsibilities**

* Thoroughly analyzed the business requirement documents.
* Implemented Standardized and Unified process throughout the Software Development Life Cycle (SDLC).
* Actively participated in all the phases of the testing Life cycle (Planning, Designing, Development and Reporting and Results).
* Extensively used SQL in order to retrieve data from the databases by writing Stored Procedures, views, triggers etc.
* Involved in developing Applications in C# to meet business requirements using Visual Studio.
* Used Complex SQL queries using joins and subqueries to test the reports generated by the different modules as a part of back-end testing.
* Attended various Functional Walkthroughs and writing high level testing scenarios.
* Developed business process models for projects and demonstrations at the Centers for Medicare and Medicaid (CMS) using business process model notation and enterprise architecture.
* Involved in Testing the Medical claims and Dental claims in QNXT.
* Worked with EDI HIPAA Claims (837/835/834) processing.
* Wrote user acceptance testing (UAT) scripts and led testing/ quality assurance for both HL7 ADT interface and the application.
* Developed and maintained the test scripts, test data and test cases.
* Developed the test scripts using Quick Test professional (QTP).
* Used various types of Checkpoints such as Standard, Database, Bitmap, and Text-Check checkpoints to test the properties and also for validating the contents of the web page using QTP.
* Involved with other team members to set up testing tools, implementation and other testing environments.
* Performed both manual and automation testing.
* Performed various types of testing, such as functional, regression, user acceptance testing manually.
* Created the test scripts for both positive and negative testing.
* Managed testing for various functionalities using Quality Center tools.
* Worked closely with BA and Developers to clarify/understand functionality, resolve issues and provided feedback to nail down the bugs.

**Environment:** SQL, QTP, QC, Microsoft Office (MS Word, Excel, PowerPoint etc.)