**Zeeshan Rashid**

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**Summary:**

* **CSM-Certified Scrum Master-Scum Alliance**
* Over 10+ years of IT experience as a Lead QA Automation/ SDET in Application Development, Manual, Automated, Web services and Mobile Testing for Web based, and Client-Server based applications.
* Experience in wide variety of domains which includes Retail, Financial, IT industry, health care insurance, and Ecommerce.
* Diversified experience as Quality Analyst and Engineer with testing of stand - alone, client server, web-based Database, Enterprise, Mobile applications.
* Excellent understanding of Software Quality Assurance Techniques and strong knowledge of Software Development Life Cycle (SDLC) and Software Testing Life Cycle (STLC).
* Experience include **Unit Testing, Functional Testing, Non-Functional Testing, User Acceptance Testing, Regression Testing, Integration testing, System testing, Performance Testing, Black box testing, white box testing, End to End Testing, browser compatibility testing & Security testing of client/server and Web Base Applications.**
* Proficient **in Functional, Regression, Integration, System, Negative, Mobile App testing, Database testing, User Acceptance (UAT), Security testing and browser compatibility testing.**
* Experience in developing automated test scripts using **Playwright, Selenium WebDriver, HP Quick Test Professional (QTP/UFT), Java, Python, developing tests using TestNG, Junit frameworks.**
* Expertise in understanding Business Requirement Specifications, Functional Requirement Specifications, Software Requirement Specification and Design documentations and converting them into Test Scenarios.
* Good experience in Web UI Testing using Selenium Web Driver, Protractor**, Cypress** UI Testing with Cucumber BDD Framework
* Expertise in Protocol Log Analysis and Debugging Tools using NetHawk Tracers, Glomosim simulatorand Wireshark.
* Experience in Waterfall, **Spiral, V-Model and Agile Models**.& worked very closely with Product owners in Agile and attended different ceremonies like Sprint Planning meeting, Scrum, Backlog grooming, Sprint Review and Retrospective.
* Experience in **managing** and **leading** **QA team** with **Agile methodology**, participates in planning, estimating, scheduling,retrospectives and communicate issues and status information regarding project activities.
* Experience in testing **Web Services-SOA architecture, RPCs, XML transactions, SOAP, HTTP, WSDL, and REST using various industry standard tools like SOAP UI.**
* Extensive experience of Web Services, **SOAP and REST API Testing using UFT API, Restful API, RestSharp, Parasoft SOA, Apache JMeter, Postman and SoapUI.**
* Experience in testing API using **Rest Assured and Karate Framework.**
* Expertise in documenting defects with high level of detail, accuracy, and informative recreation steps using Quality Center, JIRA, IBM Clear Quest, Bugzilla etc.
* Possess strong testing knowledge in VoIP domain which includes testing protocols like **SIP, RTP/RTCP, SDP, H.323, H.248/MEGACO and Softswitches.** Knowledge of SIP B2BUA’s, SIP call features.
* Experience in Informatica as **ETL** tool to transfer the data from source to staging and staging to target
* Experience in **Health Care: Membership, Pharmacy Benefit Management PBM , Claim, Pricing, Commission.**
* Expertise in performing manual testing (emulators & IOS Simulators) & amp; Mobile Application Testing using **Appium.**
* Experience in developing and executing test cases manually and developed automation script with **Selenium Suite, Selenium Grid.**
* Experience with JAVA components such as **Servlets, Java Sever Pages (JSP) AJAX, Web Sphere, WebSphere Customer Exposure to web services testing (REST) using JMeter and Java-Rest Assured.**
* Experience in **Medicaid Management Information System MMIS.**
* Strong verbal and written communication skills with the ability to work in a team setting or individually.
* Experience in core **AWS services (S3, EC2, ELB, EBS, Route53, VPC, auto scaling, kinesis etc.) and deployment services (Ops Works and Cloud Formation, ECS) and security practices (IAM, Cloud watch and Cloud trail) and services Lambda, EMR, RedShift, Elastic Bean Stalk, X-ray.**
* Extensive experience in SQL query writing and executing via **DB2/ Teradata SQL assistant.**
* Expertise in using Configuration management tools like Sub Version, Team Foundation **Server (TFS), GitHub, and Build management tools like MAVEN.**
* Hands on experience in working with **Test Management/Bug Tracking tools like HP ALM/Quality Center/Rally/JIRA, to track test execution progress and prioritize bug fixes.**
* Good experience in coordinating with business analysts for reviewing Business requirement documents (BRD) and software requirement documents (SRD) for creating test cases and for executing test cases and coordinated with developers for fixing defects.
* Expertise in performing manual testing & Automation Application Testing using various tools.

**TECHNICAL SKILLS:**

**Testing tools:** Selenium IDE/RC/Webdriver, Selenium GRID, Loadrunner9,Quality Center, Team Foundation Server, JUnit, TestNG, SoapUI Pro, REST API, RIT, Jenkins 1.5, QTP, Maven

**Test management tools:** Rally, JIRA, Test Complete and SVN

**Programming Languages:** Java, JavaScript, HTML, CSS, C#,UNIX Groovyscript,Ruby,Angular.js,Swift,SQL, and Python.

**Web Development:** HTML, XML, REST, JSON

**Frameworks:** Selenium Web Testing, Cucumber, RESTful Web Services, MySQL

**Platforms:** Windows, UNIX

**Browsers:** Internet Explorer, Mozilla Firefox, Google Chrome, Safari, Opera

**MS Office tools:** Outlook, Word, Excel, PowerPoint, MS Access

**Mobile Testing Tool:** Appium for iOS and Android

**Build tools:** Maven, Jenkins, and Protractor

**Professional Experience:**

**Lead QA Automation/SDET Engineer Bank of America, Charlotte NC March 2022- Current**

**Description:**

Trade Stock Opera and PECO is a web –based application which allow customer to buy, sell, amend, correct and cancel the stock.

**Responsibilities:**

* Involved in Business Requirement walkthroughs right from the beginning of the project
* Involved in User Acceptance Testing to support business team in creating test data, defect creation and trackin
* Uploaded requirements into the Quality center in the Analysis phase and map the requirements with the test cases to achieve Requirement tractability.
* Involved in developing automation framework using Selenium and TestComplete.
* Developed scripts to navigate to various iframes and to handle multiple windows selenium and performed operations on the web elements. Dealt with Accessing Links and Tables using Selenium WebDriver. Incorporated the test data in Test jscripts from Excel using Apache POI API.
* Involved in testing Web services and XML with tool called SOAP UI and using this tool to locate WSDL file on internet, create Test cases and run them.
* Developed framework from the scratch for using Cypress to automate UI and used Java script, NodeJS and NPM for Angular based user interface.
* Developed automation script for different Rest API for BDD-Selenium Framework using RestSharp.
* Involved and successfully setup the POS - ‘Point of Sale’ Device lab at client location includes the infrastructure setup and Device testing across Retail applications.
* Automated API test case using Karate testing framework .
* Validating the code built in Hadoop using Python, Pyspark& Unix.
* Developed CI/CD pipeline leveraging Jenkins, Maven and Kubernetes cluster to reduce product feature delivery to customer by 50%
* Troubleshoot and reported bugs for Intelligent Mailing Bar-coding module and Postage Module and DFwork installation
* Develop Behavior Driven Development (BDD) and Behavior Driven Testing (BDT) with Cucumber JVM to implement Test Driven Development (TDD).
* Verified and validated tabular model and extensive Power BI dashboards like academic / Students dashboards.
* Performing SDK testing on data ingest with AWS Kinesis Firehose
* Writing Test scripts for Inbound and Out bound ETL processes and interfaces wif other systems and streams.
* Performed End to end testing & Mobile API Testing of Each end points using the Postman
* Design functional tests usingSelenium/karateframework forRestful/Restcustomer facewebservice/APIs.
* Responsible for maintaining test scripts and test cases for automation with Robot framework.
* Test Sailpoint Identity and Access Management (IAM) Integration connectors and workflows with PeopleSoft, Echo, My Baylor EMR, Service Now, Active Directory and downstream applications.
* Implemented Cypress automation framework to my team to ascertain that the crucial user-facing functions of the application and implemented Smoke and Regression Test to verify the existing functionality.
* Developed a suite on top of existing Cucumber-Karate-Selenium framework for API Automation
* Software test automation using Robot Framework using selenium library, Jenkins for continuous integration, Git for version control
* Developed automation framework using java,selenium,Junit.
* Structured, scaled and build an automation testing framework based on Selenium&Appium for testing React Native mobile application on both Android devices
* Wrote SQL queries to validate the standard SSRS, Dashboards/Power BI Reports
* Developed automated tests in Java to validate data in AWS modules (S3 and Kinesis) and ESB (Tibco) Topics/Queues. Re-used Server-less test framework (built using AWS Lambda) for performance testing REST APIs.
* Wrote and executed automated tests in Typescript/Playwright for a browser-based application.
* Built specflow API automation testcases using C#, specflow, Restsharp. Used Gherkin to write specflow/cucumber features and scenario
* Verifying the Mobile API service Request and Response using Charles proxy
* Assessed potential threats and weaknesses in existing IAM processes and procedures (QA)
* Developing the api’s using golang for deploying code in registries for high performance(Paper manufacturer coupons)
* Tested REST API using REST Assured, TestNG, Apache POI, and log4j framework.
* Customize TFS build activities using TFSBuild and PowerShell with C#.Net and WF programming models.
* Utilized Robot Framework to create test scripts for a Python/Java based software.
* Developed TEST Frame works using TestNG/ Junit, ANT/MAVEN build tools.
* Designed Graphical User Interface (GUI) using ASP.Net MVC 4, HTML, JavaScript.
* Implemented entire backend of the application in C#.NET, using various object-oriented features like classes, interfaces, inheritance, and polymorphism.
* Implemented simulator for mobile app testing in Android using Appium Tool.
* Integrated Appium with Sauce Labs for distributing tests on the cloud .
* Implement SoapUI, Postman or similar test harnesses for RESTful web service testing and Amazon AWS/Sauce Labs for multi-platform/multi browser testing cloud.
* Developed automation framework for microservices post/get/patch calls using apache http client request and response libraries and tested in aws cloud system.
* Developed NAND library for communicate with Android Phones. Internally each API will interact with ADB interface.
* Build and deploy the project by creating new job in Jenkins server to run Soap ui test as well as build and deployed the project from jenkin server by using jenkin .war and tomcat too.
* Developed tools based on Vagrant to set up Windows victim, Linux attack virtual hosts on Mac/Linux.
* Developed powerful Single Page Application and dynamic responsive Web Application with Angular 9.
* Installed and configured required software's for application development (Eclipse IDE, oracle database, WebSphere, Tomcat, plugin's for eclipse, required framework jar's).
* Responsible for creating test scenarios for user stories and creating automation test suites using Python, Selenium Webdriver, Pytest framework
* Automating both windows and web applications and validating End to End Test cases using Selenium and Winiumdrivers and customized existing automation framework, designing and developing Automation test scripts using Cucumber BDD with TestNG framework using JAVA
* Tested many features in an agile environment using Python, Django, HTML5, CSS, JavaScript.
* Configured Continuous Integration environment, using Jenkins to kickoff daily builds and automation suites Jenkins, Maven and GitHub. Python
* Responsible for nstallation and automate functional testcases using TestCafe node.js using TypeScript.
* Design, Develop and Execute load tests using JMeter and Jenkins
* Wrote Ansible Playbooks with Python SSH as the Wrapper to Manage Configurations of AWS nodes and Tested Playbooks on AWS instances using Python. Run Ansible Scripts to Provide Dev Servers.
* Analyzed results using SkyNet report generator of Servlet response times, JVM, HEAP Memory, and CPU Utilization.
* Developed and derived a high-level QA strategy, as well as hands-on approach in implementing that strategy across all the projects in TCoE
* Writing complex SQL queries for data validation for verifying the SSIS Packages and SSRS reports and business Rules.
* Created test strategy, which includes testing types, test design, execution & environment strategy, test data identification, creation and mining approaches, defect management strategies and Identify the tools for test reporting, management & automation
* Written extensive UNIX Shell scripting for error logging, cleanup, data archiving & job scheduling
* Creates scripts using J-Meter (2.12), HTTP and executed scripts.
* Used Robotium as a server for mobile app testing on Android systems
* Created Automation Test scripts using Cucumber frame work with selenium-Webdriver and Page objects.
* Used APPIUM as a server for mobile app testing on IOS and Android system
* Worked with AWS cloud machines to setup selenium GRID and also Jenkins server on HUB machine.
* Used AWS to deploy the project on EC2 instance. Implementation of the Business logic layer for MongoDB Services.
* Created Rest assured test cases for all the rest API’s for all Account summary credit cards demand deposits API’s.
* Created and executed TestComplete automated Test Scripts.
* Created a stable Automation framework using Selenium WebDriver/JAVA that provided Reporting, Logging & Data base validations.
* Worked with various core java/C# concepts like collections,Exception handling,Generics.
* Used Linux commands and utilities for monitoring and improving the performance of the servers during high system usage.
* Worked with Developers and System Analysts for identifying and resolving Defect and issues through Defect triage meetings
* Creating test scripts using VB Script in Test Complete Test Automation tool for regression testing
* Used HP Quality Center to write/manage Test Plans, enter/track defects, generate test sets, monitor testruns, requirement coverage, execution status, defect per user and generate reports
* Worked on automated QA tools, such as Selenium, Postman, or Datadog.
* Create, schedule and run the scenarios using JMeter and generate necessary graphs
* Creating test cases for ETL mappings and design documents for production support
* Worked wif ETL group for understating mappings for dimensions and facts
* Worked on AWS Cloud Watch events to trigger AWS Glue reporting jobs for job failures or network errors.
* Created Test Cases and submitted bug reports using JIRA/ZEPHYR tools
* Worked on Protractor with Typescript and cucumber to write feature files to run Angular application test cases.

**Environment** Microsoft Test Manager (MTM), Kinesis, Karate, Test Complete, Robot Framework, Oracle SQL Developer, MS Visual Studio, QTP, Load Runner, Data Studio, Putty, C#, Quality Center, Waterfall SDLC, Robotium, SVN, MS Office

**Lead QA Automation/SDET Engineer Wells Fargo, Charlotte NC September 2018- December 2021**

**Description:**

Early Resolution New Collections (ERC-NG) is a web-based collections application that guides Home Preservation Collectors and Home Preservation Specialist through calls with delinquent borrowers. A tool for Wells Fargo to work with borrowers when their mortgage accounts become delinquent.

**Responsibilities:**

* Involved in creating test plan to test the ETL system thoroughly.
* Developed test automation framework scripts using Python Selenium WebDriver,
* Implemented Page Object Model framework with Python and Selenium
* Introduced and implemented automation testing framework to the organization.
* Introduced and implemented open source web test tool Selenium and WebDriver for cross browser testing
* Implemented quality software best practices to develop test strategy, test plan, test data, test case and test automation and actively participates in process improvements
* Successfully delivered E2E Data Center Migration testing & Infrastructure projects
* Build Automated test suite to increase the automation coverage for the regression test cycle.
* Reported bug in JIRA, monitor until get fix and updated different documents in Confluence.
* Responsible for ensuring the conceptual integrity of the system, ensuring that the product and product architecture meet or exceed the technical requirements defined
* Validated various SSRS reports and Power BI Dashboards.
* Performed End-to-End testing of ReactJS/Python-based web applications;
* Designed and developed REST API test automation using Confidential karate framework
* Involved in server monitoring tools like New Relic, AWS Cloudwatch, JVisualVm, I3 Monitoring, Perfmon, Datadog, Web Page Diagnostics, etc.
* For functional testing, verified if the files are being dropped into the correct S3 buckets and the data was streaming correctly by dropping events into Kinesis stream using SDK’s.
* Develop an intricate knowledge of big data architectures such as Hadoop clusters or distributed databases like Cassandra
* Migrated .Net applications to containers using Dockerfile and PowerShell DSCs.
* Implemented wide range of UI functional testing by various QA Automation Test Framework like Key Word Driven, Data Driven and Behavioral Driven Testing concept to ensure the code reusability and code maintainability, which reduces the script development time
* Implemented cross browser and cross platform web testing with Selenium WebDriver, JBehave and Cucumber
* Developed and implemented robust MVC Pattern based Keyword Driven, Selenium Page Object Model framework with Selenium WebDriver using Object Oriented Programing Java and open source unit test framework TestNG which cut down the script development time in half.
* Defined teh Test Strategy for teh Instore and Work Order CRM Projects.
* Wrote automated tests utilizing Rational Robot to cover cases for Deals, Remittances, Payment Entry, Billing, and Adjustments
* Developed WLST scripts to create and install Weblogic domains. WLST scripts were developed to maintain JDBC, JMS, Managed Nodes, Work Manager configuration.
* Performed Automation testing in Robot Framework through CI Jenkin server
* Installed and configured application domains on weblogic servers
* Execution of automated test scripts using JMeter based on business/functional specifications
* Implemented Continuous Integration/Continuous Delivery (CI/CD) for rapid development, testing using tools like Docker, Jenkins to execute smoke and Regression test suites to run during CI/CD process.
* Developed Restful Web Service testing framework with open source Http Core and JUnit to build robust and scalable web service testing
* Developed SEO Testing framework with open source Http Core and JUnit to test Search Engine Optimization testing
* Created detailed periodic status reports for senior management to keep them posted on the progress of implementation.
* Wrote and executed test case on iOS and Android environment with multiple devices (Samsung Galaxy, HTC, iPhone 4,4s,5,5s)
* Used Android driver to automate Android native and hybrid applications
* Performed End To End testing using BDD framework with Cypress
* Coordinated with Infrastructure and DBA teams for Offshore machine setup and database activities
* Used Java Appium client to configure mobile test environment.
* Created Test Plans and Test Strategy which describes the features and functions to be tested.
* Created project plan to carry out testing for implementation & upgrade of existing legacy system with Guide Wire Policy Center & Guide Wire Claim Center
* Used DD EXCEL DRIVER to read data from excel in order to implement Data driven approach for TestComplete Project.
* Used Appium to facilitate mobile testing by creating mobile Driver class with the required Mobile capabilities.
* Created web UI tests using Cucumber, Gherkin and Cypress Automation.
* Worked in collaboration with testers, developers, business, Infrastructure, DBA and other team members in complex projects on varied platforms.
* Use JIRA, ZEPHYR and Confluence to write and execute test cases, performing testing/validation.
* Created a framework from scratch using API testing tool called Karate for REST API Testing
* Used Informatica as ETL tool to transfer the data from source to staging and staging to target
* Create/Maintain application build templates and definitions using TFS, C# and PowerShell/Psake and Git.
* Create automated test scripts for CRM Applications using QTP for automation of teh manual scripts

**Environment:** Selenium WebDriver, Test Complete, Kinesis, Karate, Robot Framework, Java, TestNG, JSP, JSF, SOA, restful Web Service, HTML, MySQL, Tomcat

**Sr. SDET Tester Bank of America, Charlotte NC July 2017- March 2018**

**Responsibilities:**

* As a Software Development Engineer in Test (SDET), I involved in implementing the framework, developing automation scripts for the new User stories and maintain and run the Regression Scripts
* Built test automation solutions in agile environment.
* Coordinated with Onshore and Offshore Team
* Identified methods to optimize the overall test effort through scripted automation.
* Converted previously generated manual test case suites to scripted automation
* Executed automated test, manual tests, performed ad hoc testing, reported issues and incident
* Involved creation of comprehensive test automation framework using Page Object Model to reduce repetitive testing using Selenium Webdriver, Eclipse IDE, Java, TestNG and other APIs
* Conducted Smoke testing, Functional testing, Regression testing, Integration testing, User Acceptance Testing (UAT), Cross browser testing and Data validation
* Conducted manual exploratory testing where we simulated real-world scenarios by running queries against these datasets using SQL tools like Apache Drill or HiveQL – which helped us uncover any hidden bugs that may have gone undetected through automation alone.
* Designed and implemented new test cases for each part of the Metrics data pipeline
* Analyzed the requirements to create test scenarios in Guidewire.
* Performed testing of both Legacy and Guidewire.
* Conducted Review meetings for Tickets raised for CRM Applications and closed teh tickets.
* Created Automation Test Scripts in Test Complete and involved in Automation Infrastructure Development in Test Complete.
* Performed manual and automation testing with REST Webservices using Java, Jenkins and Selenium. Monitored the automation results
* Built Automation framework using Selenium WebDriver, Protractor, Rest Assured and Cypress using BDD
* Facilitated Defect Triage meeting. Informed Senior Management of Risks / Issues discovered while testing.
* Designed and built the entire data pipeline, from back-end databases to front-end KPI & Metrics dashboard.
* Used JavaScript libraries like protractor, along with selenium wedrivers for UI test execution assertions
* Performed functional, integration testing, user interface, End to End, cross browser compatibility testing for web application
* Executed Manual, Black box and white box testing to verify the functionality to meet the business requirements
* Developed and executed White box test cases of the Java API using TestNG framework and Eclipse.
* Created and executed DTE Automation test scripts suites using Perl/Shell/Python for daily regression runs and idea tified software errors and interacted with development teams to resolve the regression issues.
* Create and maintain test scripts coded using RIT tool adhering to the tool defined rules
* Used Jenkins for continuous integration and to build periodically
* Wrote queries in SQL developed and executed them to modify /analyze the data from the Oracle database and compared it with results from web service response. Checked data integrity and consistency
* Used JIRA for raising issues, bugs, defect tracking, writing suggestion, writing and executing test
* Build feature files for Cucumber steps using ATDD framework in Selenium.
* Worked on converted Conformed data from Legacy systems to Guidewire.
* Worked with Jenkins under CI/CD pipeline providing continuous improvement to agile development.

**Environment:**Selenium WebDriver, Maven, Test complete, JavaScript, Ruby, Python, Eclipse, GitHub, MySQL, Webservices - REST, Appium, JIRA, Wireshark, Test Complete, Charles web proxy, Cucumber, Jenkins, Scrum Master pro

**QA Engineer Wells Fargo, Ft Mill SC January 2016- July 2017**

**Description:**

Early Resolution New Collections (ERC-NG) is a web-based collections application that guides Home Preservation Collectors and Home Preservation Specialist through calls with delinquent borrowers. A tool for Wells Fargo to work with borrowers when their mortgage accounts become delinquent.

**Responsibilities:**

* Developed custom SQR programs and modifications according to specific business requirements using Application Designer, Component Interface, People Code, SQL, SQR, Excel to CI, etc.
* Implemented CRUD functionality with Entity framework in ASP.NET MVC and implemented sorting, filtering and paging with Entity framework Code First in MVC with the help of SQL server.
* Knowledge of Benefits Administration, Time and Labor and aspects of Payroll processing to support the complete business process. Acted as the liaison between the users and the technical resources of the team.
* Composed Business Process documentation for Benefits Administration training and testing purposes.
* Interacted with Business Analysts and Developers in requirement analysis, design reviews.
* Designed and maintained JIRA forms and workflows to support a DevOps release process
* Identified test cases to automate, prioritized suitable candidates for automation and automated test cases using Selenium WebDriver, NUnit and C#.
* Developed, executed, and maintained Selenium automation scripts for Online Benefits web application.
* Prepared test cases and scripts utilizing NUnit Framework in Visual Studio IDE.
* Regression test cases were written and automated using Selenium Web Driver.
* Performed Smoke testing, Functional, Integration, System, User Interface Testing and Regression testing.
* Updated Test Plans and Test Cases periodically to manage changes in the requirements.
* Reported/tracked defects in JIRA, ALM and interacted with developers to resolve technical issues.
* Used Firebug and Fire Path to inspect the XPath of the web elements and Visual Studio IDE for C# development.
* Performed Web Services testing using SOAP UI.
* Performed backend testing on SQL Server 2012 Database using SQL queries, Stored Procedures, and SQL joins to verify data integrity.
* Worked in Scrum process of Agile Methodology, participated in daily SCRUM meetings and testing each SPRINT deliverable within agreed timescales.

**Environment:** C#, Selenium WebDriver, Test Complete, NUnit,, SOAPUI, MS-SQL Server 2012, T-SQL, Web Service, HTML, XML, XPath, JavaScript, Firebug, Quality Center/ALM, GitHub, Jenkins, JIRA.

**QA Automation US 4 Healthcare Systems, Red Bank, NJ February 2014 to December 2015**

**Description:**

The RapidPA provides fully automated Prior Authorization workflow among pharmacies, prescribers and payers. It moves electronic PA documents from creation to review and approval to delivery stages using an innovative workflow process and technology. RapidPA can be integrated into existing workflow systems such as pharmacy management systems, pharmacy benefit management systems and EHR/EMR systems. Customers can easily integrate RapidPA with their existing workflow systems through RapidPA API or use the RapidPA web portal.

**Responsibilities:**

* Involved in querying using SQL and NoSQL updating records and validate database records as expected.
* Developed and maintained automation test scripts for regression and various GUI test cases using C# and Selenium WebDriver.
* Followed Agile testing methodology, participated in daily SCRUM & Retrospective meetings and testing each SPRINT deliverables.
* Object-Oriented development for iOS, Android, and web automation frameworks with Ruby, Cucumber, Capybara, Selenium, Appium, Jenkins, Docker, and Sauce Labs.
* Performed automated testing using Loadrunner and performance tuning of the application.
* Automated the Regression Test Cases and Experience with testing REST APIs, Web & Database testing.
* Active participation in Agile Scrum Ceremonies as Daily Standup Meeting, Sprint Planning Meeting, Sprint Grooming Meeting, and Sprint Retrospective Meetings.
* Developed the reusable framework for the application using the ASP.NET MVC Framework.
* Involved in End-to-End Performance Testing Life cycle from Non-Functional Requirement Gathering, Test Plan creation, Test Script development, Test Execution, Test Reporting and Analysis phase.
* Performed manual and automated testing (emulators & IOS Simulators) & amp; Mobile Application Testing using Appium, Browser stack.
* Developed and Executed Test Scripts test scripts using Selenium WebDriver, TestNG, analyzed Test Results Experience with testing REST APIs, Web & Database testing.
* Successfully automated Script execution using Selenium WebDriver, Cucumber together with Junit.
* Performs Regression Testing and Smoke Testing while providing realistic estimations.
* Developed and continually contributed to Data-Driven Testing (DDT) Framework using Scenario Outline with Examples table for external documents.
* Implemented Page Object Module (POM) pattern for every single page of the application using Page Factory class from Selenium and Singleton design pattern to ensure single instance of the browser is being used across the project Successfully applied Hybrid Driven Framework which is a combination of Cucumber BDD (Behavior Driven Development) Framework from feature files using Gherkin language along with Junit as well DDT and POM.
* Successfully implemented Selenium Grid with Docker containers for Cross-browser Testing and Maven Surefire plugin for Parallel Testing. Used Junit assertions to validate all UI components such as Pop-Ups, Browser Navigations,
* Worked on Creating Test Automation Frameworks using Selenium according to the Business requirements.
* Worked with NoSQL databases like Hbase in creating Hbase tables to load large sets of semi structured data coming from various sources.
* Created test data (metadata, XML, Json) following the schema and performed SQL and NOSQL (MarkLogic) queries for data verification and integrity.

**Environment:** Selenium WebDriver, PBM, Rest API, C#, TestNG, Agile Scrum, SQL, Maven, CSS, X Path, Eclipse, Git, GitHub

**QA Analyst Vonage, Holmdel, NJ  January 2012 to January 2014**

**Description**

Vonage is voice over IP (VoIP) network and SIP Company that provides telephone service via high-speed internet connection. Vonage also provides free downloadable app for iOS and Android that lets users talk and text worldwide for free with anyone else who uses the app. 

**Responsibilities:**

* Involved in projects and RIAs rapid impact assessment for major Telecom OSS/BSS streams: Lead-To-Cash L2C , Assurance Trouble-To-Resolve T2R and Billing - headed the billing stream
* Identified the Test requirements based on application business requirements and blueprints.
* Functional and Integration testing of SIP features
* Verification of signaling messages for SIP and Supplementary services
* Identifies test resources, estimates test effort and defines test schedule and milestones
* Performed Manual testing and maintain documentation on different types of Testing viz., Positive, Negative, Regression, Integration, System, User-acceptance and Black Box
* Performed Data Throughput test for Ping, UDP, FTP and HTTP for Upload and Download, capture logs for TP issues and perform primary analysis using Wireshark.
* Involved in doing Functional testing of the entire applications along with team members
* Configure SIP Session Border Controller and Softswitch to implement SIP Trunking with customer’s PBX.
* Conduct SIP VoIP testing of BCV Features within Cisco BTS and Broadsoft Application CMS
* Validated various SBC features and basic scenarios using SIP, H.323 signaling protocols and simulated scenarios using sipp, spectra-II tools.
* Used Wireshark as network packet analyzer.
* Worked on Wireshark tool to capture the packets at the time of debugging.
* Worked on SIP Call Flows /Registrations with Proxy, B2BUA and High Availability.
* Worked in both OSS and BSS systems with rich experience in Telecom Domain

**Environment:** JIRA, SIP, SSIS, QC/ALM, Test link, ASP.Net MVC, MS Office, SQL Server.

Education and Certifications:

* **CSM – Certified Scrum Master through Scrum Alliance**
* **B.S in Computer Science**