SUMITHRAA ADANUR PRABHAKAR

(770) 335-3274

 Sumithraa.adanurprabhakar@gmail.com

https://wwwlinkedin.com/in/sumithra-adanur-a0b421282/

**Professional Summary:**

* Overall **8+ years** of experience in Software Quality Assurance Testing, proficient in Functional and Automation testing on **Web UI** applications, **Web** **Services/Web API,** and Mobile Applications.
* Experience in all phases of Software Development Life Cycle (**SDLC**), Software Testing Life Cycle **(STLC)** and **Bug Life Cycle** (BLC).
* Good Experience on **QA methodologies** including **Waterfall and Agile** methodologies to ensure appropriate Quality Control.
* Experience in automation testing using UFT, Tosca, web services, product testing and database testing.
* Good Experience on design and development of **Test** **Automation Frameworks** which include **BDD (Cucumber), Hybrid Framework, TestNG Framework** with **POM** design Pattern and **Keyword Driven** Framework.
* Designed and executed QA tests scripts which help to test required functionality of application using selenium with python.
* Good Experience on Test Automation of **Mobile Applications** such as WebApp in Android Platform devices using **Appium.**
* In depth technical knowledge and understanding of Data Warehousing, Data Validations, OLAP, SQL Server, Oracle and ETL.
* Data Migration from multiple External sources (Databases and application)
* Refactor existing **Ruby** automation code to use a central object-oriented class library.
* Good knowledge on the testing of Native and **Hybrid Apps** and automation using Appium.
* Good Experience on Project Build tools such as **Maven.**
* Responsible for developing mobile applications for both android and iOS using Xamarin and visual studio in C#.
* Led an Anti-Money Laundering (AML) Payment Filtration Project for all types of payments gateways such as SWIFT, Wires related to fraud payments, and ensured compliance with ISO 20022 standards for AML filtering.
* Good Experience on testing of **Restful Web Services** using postman and automation of **Rest API’**s using Rest Assured.
* Good experience in **Web Services testing using** **SOAPUI, XML, & WSDL**. Providing required input data to request XML & get the required data from response XML & use the response data from another request XML using **SOAPUI**.
* Designed and implemented a highly functional Kubernetes cluster well integrated with monitoring and logging systems.
* Defined best practices for SSRS, OBIEE, Cognos, Tableau, Micro Strategy and Business Object for report validation.
* Experience with Test Automation tools such as Cypress, Selenium, TestNG, JMeters, and Junit.
* Good experience in User Interface Testing of client server & web-based applications.
* Full stack web development utilizing ASP.NET MVC 5, JavaScript, Entity Framework, and Bootstrap over Azure web services.
* Expertise in reporting end to end after suite execution using Tosca tools.
* Extensive experience in using Automated tools like **Ruby,** Cucumber test framework for Client/Server, Web, and database applications.
* Good experience in creating, modifying, and enhancing both manual Test cases and Test Scripts created in **Selenium Web driver** with different frameworks.
* Good Knowledge in Test Management tools and defect tracking tools such as **JIRA, TFS, Azure** **Devops, HP QC.**
* Proficient in SQL, PERL, Shell Scripting and PL/SQL coding and experience in Performance Tuning of SQL and Stored Procedures.
* Automated the Api using Karate Dsl Framework For unit Testing, integration testing and Regression Testing.
* Experience in different testing areas such as Automation, Integration (**CIT/SIT/UAT**), **Smoke,** **Regression, System, GUI, Adhoc**, Cross Browser and Compatibility Testing.
* Experience in Testing the Functionalities using **Black Box testing** technique. Excellent knowledge and working experience in test execution and test results analysis.
* Proven abilities in working on Continuous Integration using **Jenkin**s and source code management using **Git, Azure Devops**.
* Very Good Exposure on different domain applications both on client and server side.
* Very Good experience on **web UI automation** techniques and different techniques on identifying elements on **UI.**
* Good exposure on backend **database testing** and writing **SQL Queries** using tools such as **MS SQL Server.**
* Good Experience on team management, client management and coordination with different teams across the globe.
* Implemented the Xamarin Mobile component for accessing to the device camera across platform.
* Quick learner and ability to acquire new skills within short duration, adapts to rapidly changing work practices while building and excellent team player.
* Good analytical and communication skills and ability to work independently with minimal supervision and perform as part of a team.
* Understand and work on Component Integration Testing, Interface Testing, System Integration testing and End to End Integration Testing
* Have experience of continuous integration using **Jenkins** integrated with **Selenium.**
* Experienced with **GIT** Repositories for Version Control.
* Experience in User Acceptance testing while using Behavior Driven Development with **Gherkin** Language by using “**Cucumber Tool”.**
* Participated in Daily **Scrum meetings**, Stand-up meetings, walkthrough meetings, weekly assessment meetings with business analysts and developers.

**Technical Skills:**

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| --- | --- |
| **Testing** | Windows based application Testing API Testing UI Automation Testing and Performance Testing, Mobile App Testing and Manual Testing |
| **Testing Tools** | Protractor with Jasmine framework, Selenium WebDriver, TOSCA, QTP, HP Load Runner and SoapUI, Karate DSL  |
| **Defect Tracking Tools** | HP ALM/QC/Test Director, JIRA, Bugzilla, Product Studio |
| **IDEs** | Eclipse, WebStorm  |
| **Configuration Mg mt** | TFS, CVS, GIT, Jenkins, Maven and VSS |
| **Frameworks** | POM, TestNG, Data Driven, Hybrid |
| **Project Mg mt** | Confluence, Serena, MS-SharePoint, Google Docs. |
| **OS** | Android, iOS, Windows, Linux and Mac |
| **Languages** | Java, Java Script, SQL, PL/SQL, Python, Ruby, C# |
| **Database** | Postgres SQL, MS-SQL Server, Oracle and My SQL5.5 |

**Professional Experience:**

**Client: Capital One, VA Dec 2021 – Till Date**

**Role: QA Automation Engineer**

**Responsibilities**

* Analysis of business requirements with the help of **HLD** documents and by attending design review meetings.
* Developed workflow-based automation scripts using TOSCA
* Created and Executed Automated Coded UI test developed in C#.Net.
* Involved in mapping requirements (User stories) to testing scenarios and test cases to ensure proper coverage.
* Tested many features in an agile environment using Python, Django, HTML5, CSS, JavaScript.
* Worked as ETL Tester responsible for the requirements / ETL Analysis, ETL Testing and designing of the flow and the logic for the Data warehouse project.
* Create detailed checklist (testing plans) in Azure DevOps for each user story
* Created various PL/SQL stored procedures for dropping and recreating indexes on target tables.
* Automation of REST API based products using JMETER.
* Test REST API with applications like Swagger and Postman; Validate SOAP UI using SQL queries; Perform backend and GUI testing.
* Developed automation script for **Mobile Native applications (IOS, Android) using Appium, Java.**
* Designed and Developed **Selenium TestNG Framework**, using Data Driven Framework, Page Object Model and Singleton Architecture
* Wrote and executed automated test cases using **Selenium Web Driver** to automate manual testing solutions.
* Set-up databases in GCP using RDS, storage using S3 bucket and configuring instance backups to S3 bucket. prototype CI/CD system with GitLab on GKE utilizing Kubernetes and Docker for the runtime environment for the CI/CD systems to build and test and deploy.
* As Xamarin test Engineer, build and compile our Native IOS Applications/SDK build successfully to various IOS devices with various IOS versions.
* Manual & Automation Lead for AML KYC Implementation.
* Performed validation of events triggered in the Splunk logs and Glassbox.
* Involved in testing different diagram sorts like content tables, bar, pie, Heat maps, line graphs, header, footer, lay out of the MicroStrategy and Tableau reports.
* Hands on experience with Chef and OpsWorks in AWS cloud environment.
* Performed data validation and pipeline testing for huge volumes of data migration from Oracle to GCP using Python scripts for automation
* Used **web debugging tools** such as **Firebug, Fire Path, and XPath** to locate elements based on ID, name, class Name, xpath, CSS Selector, partialLinkText, link Text, Attributes and Tags.
* Performed web testing for checking page contents, broken links, web objects, frames and tables using Selenium.
* Performed configuration/ compatibility and user interface testing manually.
* Execution of automation test scripts using Tosca.
* Compared the data sets resulted from the databases Oracle and SQL Server using the tool, Toad for Data Analysts.
* Configured and utilized Node.JS and Android Debug Bridge (ADB) for Appium mobile testing
* Used C# as a programming language and Visual Studios as IDE for automating the Test Suite with Selenium WebDriver.
* Initiated the process of deployment for automation to Web Sphere servers by developing Python scripts.
* Development and debugging of mobile apps with Xamarin / Visual Studio Emulators.
* Create easily reproducible bug reports in Azure DevOps and track their resolution
* Involved in coding and designing using C#, XML, ADO.NET, WCF, JavaScript, React JS, Underscore JS, jQuery, HTML, and Cascading Style Sheets (CSS).
* Building and scaling Ruby on Rails applications with **Agile** processes and write clean, modular, and clear **Ruby code.**
* Using SSIS ETL to get the related data from their data warehouse data hub of western reverse group.
* Involved on Component Integration Testing, Interface Testing, System Integration testing and End to End Integration Testing
* End to End testing of the complete website which was developed using JavaScript, HTML5, CSS3, and other web technologies.
* Created and enhanced numerous test scripts to handle changes in the objects, in the tested application's **GUI** and in the testing, environment using Selenium WebDriver.
* Used Java concepts of Object-oriented Programming like **Abstraction, Polymorphism**, Inheritance and Encapsulation.
* Involved in Mobile Testing including App Testing. Test automation for web application using Cucumber.
* Identified end-to-end test cases, regression suites and system test cases for both Ab Initio ETL feeds and Actimize.
* Hands on experience in GCP services like EC2, S3, ELB, RDS, SQS, EBS, VPC, EBS, AMI, SNS, RDS, EBS, Cloud Watch, Cloud Trail, Cloud Formation GCP Config, Autoscaling, Cloud Front, IAM, R53.
* Recommended and partially implemented Cypress Automation Testing for E2E Web Testing.
* Extensively used Action classes and Pop and Alert functionalities in testing scripts.
* Used **POSTMAN tool** for **Webservices Testing**.
* Used **BDD framework** with **Cucumber (JAVA)** and created Feature Files with **scenario** and scenario outlines using **Gherkin language**.
* Embedded products (Wi-Fi/Bluetooth Embedded Products) Testing with Mobile Apps on Android and iOS devices Testing including iPads and Android Tablets.
* Performance testing in AWS and Docker using JMeter.
* Validated Tableau visualizations and dashboards using Tableau Desktop.
* Generated the Test Defects report and reported it to development team for bug fixing through **JIRA.**
* Used Behavior Driven Development to test Login feature with Cucumber tool.
* Proficient in all phases of **Test Life Cycle** from test planning to defect tracking and managing defect lifecycle.
* Worked on Cloud based app testing across multiple devices using Xamarin Test cloud.
* Developed and executed Test Scripts and collaborated and communicated with the project stakeholders using Azure DevOps
* Developed and Implemented API Test Framework using Karate DSL and Cucumber.
* Developed Test cases manually and generated Automation Scripts using open-source tools like **Selenium** **Web Driver, TestNG, SOAP UI, Maven and Jenkins.**
* Developed Automation Scripts for **Rest API** Testing of **Micro-services (Post, Get & Put method**) using  **Karate Framework.**
* Execute Automated regression scripts data migration scripts during ETL process
* Used Java’s Access Modifiers to restrict the visibility and JavaScript executor to find hidden elements.
* Involved in the Complete Integration with **Jenkins and GIT**.
* Involved in Defect Reporting and Resolution and Bug Retesting.
* Used Prod Support operational intelligence tools like Splunk, Glassbox, AppDynamics, Introscope etc.
* Involved in grouping of Test Cases for Smoke Test to ascertain the crucial functions of the application.
* Involved in setting up **Jenkins** Build for Automation Framework execution and maintenance of Test build.
* Using various Assertions to validate the JSON/XML requests in JMETER.
* Assist in training a team of .NET developers and manual testers in SDET, **Ruby and Cucumber** usage, as part of hybrid engineering.
* Created and executed automation scripts using Tosca.
* Creating test scripts using C# and Selenium Web Driver for the functional test cases.
* Managing security groups on AWS and custom monitoring using cloud watch.
* Generated reports using Extent Reports.
* Review alerts, communications, and workflows to determine the origin of AML issue.
* Conducted and monitored systems interface testing and coordinated the involvement of the interfaced applications on assigned products.
* Administrating the Zephyr Enterprise Test suite for Jira.
* Expert in creating, configuring, and fine-tuning ETL workflows designed in DTS and MS SQL Server Integration Services SSIS.
* Performing **API testing** (**SOAP and REST)** using Postman.
* Prepared Azure Dashboards to show the test results.
* Experience in working with **JavaScript, XML, XPATH, JSON and RESTful Web Service** Testing. Validated **JSON** formatted data, different http status code like 200, 201, 400, 404, 500etc.
* Created Validation checkpoints and efficiently caught and reported defects in **JIRA.**
* Use **JIRA** for bug tracking and agile project management.
* Developed the features, scenarios, and step definitions for BDD (Behavior Driven Development) using **Cucumber with Gherkin.**
* Performed ETL testing with Google Big Query, Azure & GCP.
* Creation of EC2 roles, policy document in AWS using AWS Identity and Access Management.
* Performed UI and API testing using Cypress.
* Hands on experience in using Appium Emulators and IOS Simulators for Mobile App Testing.
* Processed a query to update a field in an Oracle database, to ensure that debt payments are allocated.
* Developed a Page Object Model within **TestNG Framework** for Selenium WebDriver Automation Test Scripts.

**Environment**: JAVA, Selenium WebDriver, Python, JMeter, JavaScript, Junit and TestNG Framework, Selenium Standalone Server, GIT Hub, Ruby, Zephyr, Jenkins, Actimize, ETL, Cypress, Tableau Reports, Kubernetes, Cucumber, Maven, JIRA, Karate DSL, REST API, JSON, XPath, HTML, CSS, JavaScript, Postman, Soap Ul, Karate.

**Client: Nissan, TN Jan 2020 – Nov 2021**

**Role: QA Automation Engineer**

**Responsibilities:**

* Analysis and Review of business/functional requirements and project specifications.
* Preparing **Test Strategy/Test Cases** based on Business Requirements.
* Verified, edited, and updated test data in new and existing systems before testing.
* Drafted Test Plan which included Scope, Testing Objectives, Testing Phases, Test Scenarios, Test Criteria and Test Environment, after a thorough analysis of the business rules.
* Tested web services using **SOAP UI** to test eligibility rules, and ensured manual testing of new features followed best QA practices.
* Implemented Page Object Model Automation framework with Java, Selenium WebDriver, Python and Cucumber with ruby.
* Very keen in knowing newer techno stack that Google Cloud platform (GCP) adds.
* Validated Tableau reports using Selenium automation.
* Performed data migration testing and data consolidation testing
* Developed and maintained an automation framework and scripts to drive quality using MS Visual Studio and C#. Net
* Written templates for AWS infrastructure as a code using Terraform to build staging and production environments.
* Migrating existing selenium automation test scripts to Tosca language.
* Developed framework from the scratch for using Cypress to automate UI and used Java script, Node JS and NPM for Angular based user interface.
* Created and executed SQL queries in ORACLE and MS SQL server
* Using data driven testing to automate test cases using JMETER.
* Involved in writing Test Cases by using Design docs and Test Acceptance criteria.
* Developed **Automation framework** using **Selenium WebDriver**.
* Developed Selenium test cases using TestNG framework.
* Extended TestNG Data Driven framework by adding some helper classes and methods.
* Created Automation framework in Selenium WebDriver using Behavior driven approach like Cucumber.
* Involved with ETL test data creation for all the ETL mapping rules.
* Used **Cucumber, Appium, Xcode** for Native Mobile Application automation testing for iOS and Android platform.
* Create setup and configuration documents for an internal **Ruby** on Rails application used by the automation teams.
* Created test cases using Jira/Zephyr, managing all aspects of the testing cycle.
* Involved in providing the efficient locators strategy like **xpath and CSS** to run Selenium Web driver scripts in stable condition.
* Designed and developed User Interfaces, User Controls, and Custom Controls using C# .NET.
* Developed a Page Factory Model within TestNG Framework for Selenium WebDriver Automation test
* Responsible for creating and maintaining automation acceptance test suite using Selenium, **Ruby** and Cucumber.
* Designed and Developed **UAT,** Regression Test Suites of automation testing framework for all modules using Selenium WebDriver.
* Executed tests, including scripting in SQL, back-end database testing in Teradata, and application of REST and SOAP UI APIs
* Worked on JIRA for tracking and reporting bugs.
* Comparing historical data during the data migration using Microsoft excel and creating macros
* Used xpath, CSS Selector and JavaScript Executor with Selenium Web driver to identify and locate the elements on webpage.
* Used TestNG ‘s different annotations to interact with the application.
* Created Test Scripts and UAT test cases, coordinated with the UAT team and Project Manager and performed UAT activities with End-users.
* Developed Python based API (RESTful Web Service) to track the events and perform analysis using Django.
* Used **Apache POI API** to read the test data from the Excel sheet.
* Developed Test Frameworks in Selenium for **UI Regression** Test Automation and when necessary, potentially execute Unit Test Automation Scripts (Java /TestNG) prior to Agile release.
* Integrated Automation scripts (Selenium WebDriver API) in Continuous Integration tools **(Azure Devops)** for nightly consignment run of the Script. Designed Project plan on Azure Devops.
* Performed extensive Database Testing, by writing SQL scripts to compare the UI results with that in the Database.
* Expertise in developing automation scripts in BDD format using **Ruby** and proficient in writing cucumber scenarios in GHERKIN format.
* Used Apache POI API to register the test data from the excel sheet.
* Used TestNG.xml to run Selenium tests and get TestNG reports.
* Expertise in TestNG Annotations and Assertions.
* Writing libraries and test scripts in Python for the automation testing.
* Worked on Grouping of Test Cases, Test Methods and Test Suites for Regression and Functional Testing using TestNG annotations like Groups, Parameter, and Data Provider.
* Created Extent reports and emailable reports with log files for failed test cases.
* Prepared a Test Suite for Sanity, Regression and System Integration testing**.**

**Environment**: Selenium WebDriver, TestNG, Python, JMeter, XML, Chropath, Ruby, SOAP UI, Maven, Eclipse, JavaScript, Azure Extent Reports, Azure Devops

**Client: Key Bank, Westlake, OH June 2018-Dec 2019**

**Role: QA Automation Engineer**

**Responsibilities:**

* Analyzed user stories and worked on preparation of test cases.
* Developed and maintained automated test scripts for Regression testing using Selenium WebDriver and Java.
* Cloud Watch, ELB, Auto scaling, created python script using AWS API Calls to manage all resources deployed on AWS
* Tested web services testing using **SOAP UI/ Restful** web services tool.
* Worked on the implementation of **BDD framework** using **Cucumber, TestNG and POM** design pattern with Page Factory concepts.
* Worked in ACTIMIZE tool to create rules for fraud and triggered transactions from upstream applications (Online Banking, Mobile banking etc.) and verified application is working as expected.
* Developed and maintained automation test scripts for the integration **Rest API’s.**
* Worked on testing different **HTTP** calls using postman and automation of Rest Services using Rest Assured.
* Good experience in mobile testing using Appium in both IOS and Android applications using a simulator and emulator.
* Worked on different techniques to identify elements on a web page.
* Performed Compatibility testing of applications on different browsers like **Chrome and Edge.**
* Interpret application architectures and identify areas for automation.
* Filed and tracked the defects using **HP Quality Center (ALM).**
* Responsible for preparing & maintaining the regression suite and capturing results from Nightly build and maintaining required logs.
* Expertise in developing web-based open stack applications using Python and Django for large dataset analysis.
* Tested webservices using SOAP UI tool to see if the response coming is as expected.
* Involved in **Smoke Testing, Regression Testing** and User Acceptance Testing.
* Worked efficiently to make sure the project was released on time with high quality.
* Prepared **daily/ weekly status reports** on Test case execution, defects, RTM etc.
* Provide the logs and screenshots while raising the bugs which gives more information to the developer to fix the defect on-time.
* Involved in planning test execution activities, defect reporting and analyzing test metrics.
* Followed **Agile/Scrum** Methodologies for all the project activities.

**Environment:** Selenium, Rest Assured, Postman, Python, Maven, TestNG, POM, Cucumber, MS SQL Server**.**

**Client: Vervali Systems Pvt Ltd, India Nov 2011- Apr 2013**

**Role: QA Automation Engineer**

**Responsibilities**:

* Extensively Involved in writing white-box test cases based on the User and Business Requirements.
* Worked on Selenium for creating and executing test cases for functionality testing of a web app.
* Involved in defining test automation strategy and test scenarios, created automated test cases, test plans, and executed tests using Selenium RC.
* Performed Mobile Testing for Mobile Apps, identifying Mobile platforms like IOS, and Android by using Appium.
* Used Selenium Grid to test the compatibility of the tests across multiple servers to save time.
* Worked on White-Box server-side System level test cases using JUNIT.
* Involved in ANT configuration for running servers and scripts after the build.
* Database Change Verification testing using Oracle-TOAD and PL/SQL queries/procedures.
* Performed System level integration, load, and performance testing of the application.
* Verified the application on difference web browser such as IE, Mozilla Firefox, and Opera.
* Tested web-based application on different operating systems such as Windows XP, Vista, and UNIX. Also, tested the application for different Java versions.
* Worked on JIRA for ticket management.
* Developed and documented complete testing process with well-written test cases.
* Involved in project meetings to meet project deliverables and goals.

**Environment:** Java, Selenium RC/IDE/GRID, Junit, Ant, Jira, HTML, CSS, Oracle, Windows.

**Client: Altair Software India Pvt. Ltd. May 2009-Oct 2011**

 **Role: QA Automation Engineer**

**Responsibilities:**

* Followed **agile methodologies** for software testing during software development life cycle.
* Developed **test plan, test cases, test scenarios** based on Users Stories and product design description to meet business requirements and technical specifications.
* Responsible for executing Regression and Smoke suite before the release to ensure best quality.
* Worked on implementation of automation scripts both on Web based applications as well as databases.
* Implemented automation for new stories during the sprint using **Selenium and Java**.
* Worked on implementation of **Data Driven Framework** with **TestNg and POM design** pattern changes.
* Worked on the implementation and execution of automation scripts for Web App applications on different browsers in both **Android and iOS** platforms of **mobile devices**.
* Identified software defects and submitted problem reports via **JIRA bug-tracking** system
* Submit final draft of test reports with the project leader and await their feedback
* Study the project objectives to understand the scope of the developed products or system.
* Logged, tracked, and provided status reports of Automation scripting and execution.
* Execution of automation scripts on weekly builds using **Jenkins.**
* Actively participated in **QA team** meetings to discuss the testing process.
* Participated in Daily Scrum, Sprint Grooming, Sprint Planning and Sprint Retrospective.
* Developed and executed test programs that helped improve accuracy of QA results.
* Provided comprehensive software release documentation and training support staff after compiling **QA test** outcomes.

**Environment:** Selenium, Appium, JIRA, IOS.