**Jagan Mohan Reddy Sandhadi**

SDET/Automation Engineer

PremKumar(Employer)

E-Mail: [prem@flyhigh-staffing.com](mailto:prem@flyhigh-staffing.com)

Contact: +1 510-983-4661

**PROFESSIONAL SUMMARY:**

• Over 11 years of IT experience encompassing Software Quality Assurance, Software Development, Functional and Automation Testing, Configuration Management, and DevOps.

• Proficient in Test Data Management, Test Effort Estimations, Test Plan and Test Strategy Preparation, Test Script Creation and Execution, Status Reporting, and preparing various metrics such as Test Execution Metrics and Defect Metrics. Possesses strong knowledge in all stages of SDLC and STLC.

• Extensively utilized Test Management Tools like Test Director, QC, TestRail, QTest, and JIRA for developing Test Cases, Test Scripts, executing scripts, tracking defects, logging defects, and reporting.

• Demonstrated expertise in AWS Cloud Services, including EC2, S3, EBS, ELB, CloudWatch, Elastic IP, RDS, SNS, IAM, and CloudFormation, as well as proficient in managing security on AWS.

• Extensive experience in automation frameworks using UFT, Karate, Rest Assured, Jest, Apache JMeter, Gatling, Cypress, and Selenium for functional and regression testing.

• Expertise in Developing Automation Scripts, Executing and Analyzing Test Results using Page Object Model, Data-Driven, Keyword, and Hybrid frameworks in Selenium with Java.

• Strong experience in developing BDD framework with Cucumber and Test-Driven Development (TDD) using TestNG, Rest-Assured, Maven, and Gradle.

• Managed Selenium and Java automation code and resources in source controls like SVN, Bitbucket GIT for continuous improvement and implementing new features.

• Proficient in Web Services testing (SOAP and REST) and Rest Assured Automation.

• Skilled in testing and handling various frames of a web page, and experienced in using Apache POI to extract data from external sources for feeding locators into test scripts.

• Experienced in using Implicit and Explicit waits for handling requests and synchronization in Selenium.

• Proficient in locating web elements by XPaths using Firebug, Selectors Hub, and ChroPath tools.

• Expertise in grouping Test Cases, Test Methods, and Test Suites for regression and functional testing using TestNG annotations like Groups, Parameter, and Data Provider.

• Proficient in collecting logs from different applications using Kibana, Splunk, and Dynatrace.

• Strong expertise in VAF and Banking applications, Treasury products, and core banking.

• Good Knowledge in CMS tools like SharePoint and Magento.

• Proficient in SIP call flows, focusing on scenarios involving call setup, teardown, media negotiation, and codec handling.

• Effectively used Wireshark for testing and troubleshooting SIP/Telephony systems.

• Utilized Node.JS for writing automated tests for web applications, leveraging libraries like Mocha or Jest.

• Employed Axe engine for automating accessibility testing alongside regular functional testing.

• Experienced in Agile, Waterfall, and Kanban methodologies.

• Extensive knowledge in mobile app testing for both IOS and Android platforms.

• Proficient in Cross-Browser and Compatibility Testing for web applications.

• Extensively used Quality Governance tools like Find Bugs, Checkstyle, Emma, and Cobertura.

• Experienced in Mainframe testing, ETL testing, and Database validations using Oracle DB and MySQL.

• Highly effective in Coaching and Mentoring Junior Engineers. Experience in working on Automotive applications and AI frameworks. Strong Understanding in NLP.

• Proficient in root cause analysis and reporting, with a focus on product improvements.

• Excellent in documentation, Results Analysis, and reporting skills.

• Experience in working with AWS services such as SQS, CloudWatch, Lambda, S3, and SNS.

• Created Custom Docker container images, managed tagging, and pushed images.

• Implemented Maven for automating the build process and deployed applications using Jenkins auto deployment.

• Proficient in CI Tools such as Jenkins, Bamboo, and TFS, with extensive use of Jenkins to streamline the CI/CD process.

• Demonstrated ability to work efficiently in both independent and team environments. Passionate about learning and adapting quickly to emerging technologies.

**TECHNICAL SKILLS:**

|  |  |
| --- | --- |
| Methodologies | Agile, Scrum, SAFe |
| Automation | UFT, Selenium, Test NG, JUnit, Mockito, Cucumber, Gherkin, Karate, REST Assured, Cypress, TDD/BDD, Apache JMeter, Gatling, Blazemeter, Appium, Robot Framework, AI Tools, IVR,WireShark |
| Test Management Tools | QC, JIRA, Confluence, Bugzilla, Remedy, qTest, TestRail |
| Quality Governance Tools | Find Bugs, Checkstyle, Emma, Cobertura |
| Databases | Oracle, SQL |
| API Testing | SOAP UI, Postman, Ready API, Swagger UI, Wire Mock |
| Languages | Java, JavaScript, TypeScript, Python, JSON, XML, HTML, React |
| CI/CD Tools | Jenkins, Bamboo, Gitlab |
| Build Tools | Maven, Gradle |
| Source Code Management | GIT, GitHub, Gitlab, Bitbucket |
| Operating Systems | Unix, Linux, Windows |

**EDUCATIONAL QUALIFICATIONS:**

* Bachelor of Technology: Computer Science, India.

**CERTIFICATIONS:**

* **ISTQB** Certified Tester Foundation Level 2018

**PROFESSIONAL EXPERIENCE:**

**Role: Lead Automation Engineer**

**Company Name:** Masergy Communications, Plano TX - RemoteNov 2022– Present

**Description:** Developing multichannel features used by the bank's internet banking and mobile applications. Making use of agile practices; Test Driven Development, Clean code, Continuous Integration.

**Responsibilities:**

* Work with Product owners and attend different ceremonies like Sprint Planning meetings, Scrum, Backlog grooming, Sprint Review and Retrospective.
* Collaborate with product team on functional and technical design specifications of applications to increase overall design quality, usability, and optimization for automated testing
* Created Testing User stories for Functional, Performance and Automation prior to Sprint planning meetings.
* Implement, manage, and expand test automation frameworks which are effectively designed to handle specific application requirements, create code repositories, develop reusable libraries, and ensure meaningful logging and reporting structures.
* Developed **TDD** scripts and **BDD** scripts with **Cucumber** as well as define acceptance criteria using Gherkin
* writing, maintaining automated UI tests written in **JavaScript/Type script** using **Cypress.**
* Automation frameworks development using **Selenium WebDriver, Maven, Cucumber, Rest Assured** and integrated with continuous integration environment using **Jenkins**.
* Pinpointed critical defect in data migration project in the areas of slowly changing dimension approach.
* Built Test suite for **RESTful** APIs and automated using Java and Rest Assured library within the framework
* Functionality testing of **Rest & Soap** Web services using **Swagger** and **Postman**.
* Used Code coverage tools in software development for checking if Java source code is compliant with specified coding rules and standards
* Automated the RESTful APIs using Java and Rest Assured framework to get valid **JSON** responses for methods like **GET, POST, PUT and DELETE.**
* Developed **MAVEN** build files for maintaining test automation builds
* Used Jenkins as Continuous Integration tool to schedule and run the automated test scripts integrating with **GIT** as source code management tool.
* Setup Test data for Performance testing of Web Services using Gatling tool.
* Analyzed the script execution report using java framework like TestNG, Extent Report and Listeners.
* Developed test automation framework scripts using python Selenium Webdriver.
* Implemented POM framework with Python Selenium.
* Perform PR reviews and Version control using **GIT** and **GITLAB** on daily basis for Automation Test scripts.
* Used **Bamboo** and **Browser stack** to execute test scripts periodically and in parallel for different browsers and platforms
* Perform manual and automated backend testing of applications using SQL

**Technology***:* SQL, Selenium WebDriver, JavaScript, Cucumber, Maven, Jenkins, BDD, Gherkin, SOAP, REST Assured, Postman, GITHUB, Appium

**Role: Automation Engineer**

**Company Name: QoT Solutions,** FNB, Johannesburg­­­, South AfricaOct 2021– Oct 2022

**Description:** Vodacom Payments wants to launch a VAS Vending application, supported by a platform to enable Merchant management web portal and Android app user interface- this will be used by merchants to onboard and manage their Cashiers and other staff members in their business as well as pull reports and manage their business.

**Responsibilities:**

* Participated in SCRUM meetings with the development and project team. Attend daily stand-ups to report progress, plans, and issues. Created and maintained project-related documentation.
* Creating tools and utilizing them to monitor our applications and services in the cloud including system health indicators.
* Configured **AWS services** including **SQS, SWF, ELK, CloudWatch, Lambda, S3, CloudFront, Cloud formation, CloudTrail and SNS.**
* Engaged with Security and DevOps teams to ensure a secure cloud Environment.
* Writing test scripts from user stories and use cases using **Selenium** with core Java.
* Automation of test cases using **Selenium Web driver, TestNG, Page object Model**
* Validated **SOAP** UI and Restful API services with API testing framework **Karate**.
* Responsible for implementing Performance testing using JMeter tool
* Led the planning and execution of comprehensive test strategies for SIP-based VoIP solutions, including functional, regression, and performance testing.
* Conducted extensive interoperability testing with various SIP endpoints, ensuring compatibility and compliance with industry standards.
* Collaborated with development teams to identify, document, and resolve defects, providing detailed bug reports and follow-up on issue resolution.
* Implemented load testing scenarios to assess system scalability and performance under high call volumes, enabling the identification of bottlenecks and optimization opportunities.
* Conducted security assessments of SIP-based systems, identifying vulnerabilities, and recommending mitigation strategies to enhance network security.
* Collaborated with network administrators to simulate real-world network conditions for testing, including NAT environments, packet loss, and latency.
* Extensively used ETL to load data from Flat files to Oracle.
* Tested data stage jobs for various ETL functions and transformations.
* Generating the detailed reports of the bugs, Test reports. Conducted the team meetings for discussing the status and issues.
* Expert in the interaction between various devices and different versions of Android and IOS.
* In-depth experience in API testing REST of web services **using Rest Assured, Postman** while integrating with **Cucumber** scenarios
* As an SDET, managing the Legacy platform migration activities, involved in Functional, Regression Testing and Automation.
* Assisted in the installation, configuration, and maintenance of Linux servers and workstations. Monitored system performance and troubleshooting issues.
* Managing user accounts, permissions, and access controls. Ensuring system security and implementing necessary patches and updates.

**Technology*:*** SQL, Selenium WebDriver, JavaScript, Cucumber, Maven, Jenkins, BDD, Gherkin, SOAP, REST Assured, Postman, GITHUB, Appium, Wireshark

**Role: Sr Automation Engineer**

**Company Name:** WesBank, Johannesburg­­­, South Africa Aug 2019 – Sep 2021

**Description:** Developing multichannel features used by the bank's Internet banking and mobile applications. Making use of agile practices

**Responsibilities:**

* Interacted with business and development teams for requirements and test scenarios reviews and created test cases to meet product's business requirements.
* Performed Cross browser compatibility testing on Chrome, IE, Firefox, using JUnit Unit Testing Framework by adding different annotations.
* Involved in using the **SOAP UI** and REST to test Web Services using a WSDL file given by the development team.
* Involved in preparing test cases using **Selenium** with Java to validate all UI components, Pop-ups browser navigations, Mouse Movements.
* Working on developing and configuring test framework **using Cypress and Mocha in Node JS** platform and created different sets of reports using Cypress.
* Using Bitbucket for Version Control and Code Collaboration to manage code reviews.
* Build Hybrid Framework from scratch with the mixture of Data Driven and Key Driven framework.
* Performed testing on Web Services using WSDL and SOAPUI to check the communication between different web services.
* Created the Jenkins pipeline jobs for regression and smoke suites using **Docker, Git, Jenkins.**
* Creating and executing detailed test cases with step-by-step procedure and expected results and maintained the test logs, test reports, test issues, defect tracking using JIRA.
* Peer reviewed automated test scripts, and ensured product performance of embedded software components
* Involved in Sprint planning, Review Sessions, Scrum meetings. Developed Test Scenarios, Test Cases, Test data, Test procedures, Test reports.
* Used Code coverage tools in software development for checking if Java source code is compliant with specified coding rules and standards
* Developed Behavior Driven Development (**BDD**) framework for component tests using cucumber
* Automated functionality to read data from external source such EXCEL, Properties File.
* Used **Apache POI** to read data from Excel files and configured **log4j** for better logging mechanism
* Implemented Page Object Model Automation framework with **Java, Selenium Web Driver**.
* Used Desired Capabilities to configure driver instances and set browser properties for Firefox, Chrome, and IE browsers and to handle SSL certificate Errors in Selenium WebDriver TestNG
* Assist with our architecture for continuous integration, deployment, and monitoring.

**Technology**: Selenium WebDriver, JavaScript, Cucumber, Maven, BDD, Gherkin Maven, Apache Tomcat, shell scripting, Jenkins, AWS, Linux, Windows 2000/XP, UNIX

**Role: Sr Automation Engineer**

**Company Name: HCL**, Johannesburg­­­, South Africa May 2018 – July 2019

**Description**

The client is required to carry out their entire catalog of automated regression testing and quality assurance for their new project that helps them to run and change the bank by managing the SOA Pipeline. QoT assisted the client to adapt to continuously varying requirements and in creating the Continuous Integration NFT Test execution pipeline driving an Agile Automation delivery methodology.

**Responsibilities**

* Reviewed and analyzed functional specification requirements to understand AUT.
* Participated in SCRUM meetings with the development and project team.
* Attend daily stand-ups to report progress, plans, and issues.
* Worked with a strong team of Architectures, and developers to gather functional and non-functional requirements.
* Involved in **SCM** with **GitHub** and **GitLab** Enterprise level repositories. Monitor logs and identify merge conflicts and manage the master repository.
* Used CI tools such as Jenkins for automating the build processes.
* Used **PowerShell** scripts for day-to-day activities.
* Worked as an automated and manual tester. Analyzed functional and business requirements of the application.
* Worked with end users to understand the project requirements and to find out the scope of the test strategy.
* Maintain the automation packs in each application, as well as ensure that all the scenarios are up-to-date and executable.
* Designed and documented REST, and SOAP APIs, which includes API versioning strategy and JSON data formats.
* Providing test effort estimations and prioritizing the areas to be tested first.
* Writing all types of SQL queries for testing. Validating Restful API and SOAP UI services.
* Developed data-driven and keyword-driven frameworks to retrieve test actions and test data from SQL databases and Excel files.
* Coordinating with third parties for data preparation.
* Generating detailed test execution summary reports and bugs.
* Submitted weekly and daily reports to clients depending on the status of defects and execution.
* Participated in peer reviews of test plans/test cases, functional specifications, and application previews.
* Creating and implementing testing and SQA strategies with Agile-testing methodology.

**Technology:** GIT, GitHub, GitLab, Jenkins, LoadRunner, JMeter, REST API, UFT, VB, QC, JIRA, Confluence, Oracle

**Role: Automation Engineer**

**Company Name:** HCL, Standard Bank, Johannesburg­­­, South Africa May 2017 – Apr 2018

**Description:** The Reserve Bank has asked PASA, which includes South African banks, to find a solution for South Africa’s major debit order abuse issue over the years. Debi Check is a project introduced by HCL that addresses this issue and addressed enormous issues related to invalid debit orders banks were facing. Debi Checks are new electronic debit orders that confirm to both the banks and the consumers that the bank will have all the details of the agreement of the parties or clients and will not allow the Debi Check to be processed outside the terms that have been confirmed.

**Responsibilities**

* Analyzing specifications and creating test designs according to functional requirements.
* Created test plans, test scripts, and test Cases. Categorizing severity incident reports depending on the severity and resolving technical issues with the developers.
* Interacting with the developer’s team during the application testing.
* Handled QA project planning activities by identifying the testing cycles, schedules, timelines, resources, QA Strategy documentation, and automation.
* Performed test management and bug reporting using QC and JIRA.
* Using extensive data in the test scripts, performed Data Driven Testing.
* Analyzed functional specifications, and user requirements, and used case documents for functional testing. Verified the applications manually according to the requirements.
* Modified automation scripts as test case changes.
* Involved in automating test cases using **UFT, Rest Assured**.
* Generating automation resources such as function libraries, and object repositories.
* Handling dynamic and duplicate objects using index property and regular expressions.
* Generating test scripts using **Hybrid Framework (Data driven and Keyword Driven).**
* Involved in writing **SQL** Queries for backend testing.
* Coordinated with developers to record defects in JIRA and tracked them until they are resolved.
* Generating detailed reports of test execution and bugs.
* Attended weekly and daily reports to clients depending on the status of execution and defects.

**Technology***:* UFT, SOAP, VB, MQ, XML, QC, JIRA, SPIRA, Confluence, Git, Connect Direct, and Win SCP

**Role: Automation Engineer**

**Company Name:** HCL, Standard Bank, Johannesburg­­­, South Africa Jan 2016 – Apr 2017

**Description:** Developing multichannel features used by the bank's Internet banking and mobile applications. Making use of agile practices; Test Driven Development, Clean code, Continuous Integration.

**Responsibilities**

* Write user stories utilizing comprehensive business requirements, functional documentation, and processes.
* Participated in SCRUM meetings with the product management and development team and developed product stories to include them in Sprint backlog.
* Handled various web pages controls such as Checkbox, textbox, dropdown, radio button, button, and labels using **XPath** and other locators using **Selenium WebDriver**.
* Interacting with QA and development teams to ensure software quality.
* Performed functionality testing using automated scripts during different phases of the application development in the **TestNG** framework.
* Generated customized documentation templates in MS Excel and Word to use by the testing team.
* Generated automation scripts in **SOAP UI** for web services testing.
* Reported daily and weekly status of executed test cases and defects status.
* Reviewed test cases and requirement traceability matrix with the business.
* Developed and executed **complex SQL Queries**.
* Coordinated with the third party to prepare the data.
* Grouped requirements from the client to convert the business logic and rules.
* Performed daily smoke tests on various browsers.

***Technology:***Selenium, JAVA, Angular JS, SAP, Spring, Maven, SOAP, and REST web services

**Role: Quality Analyst**

**Company Name: HCL, Standard Bank, Johannesburg­­­, South Africa Apr 2014 – Dec 2015**

**Description:**

The Standard Bank of South Africa Limited is one of South Africa’s largest financial services groups, one of the clients of HCL, is required to develop clear organization & governance structures for their new functional project that is separated into three different work-streams: Transactional accounts, Personal Loan and Credit. They need us to develop an application with features that provide account summaries for various accounts and the ability to transfer funds between various accounts using Fund Transfers.

**Responsibilities**

* Reviewed and analyzed business design summary, use case, and screen definition documents.
* Evaluated functional requirements and developed a test strategy for the application.
* Created different test plans and test cases and analyzed test results.
* Create a project which has the endpoint information. Add test suites and Test cases.
* Verifying the request information available in the given endpoint address.
* Performed Data Driven Testing and validated response using assertions in SOAPUI for validations.
* Checking all the request and response messages involved in communication between various components (**Data Power, Message Broker, SAP PI, SAP CRM, SAP BS, and Mainframe**).
* Adding assertions in SOAPUI using Groovy script.
* Testing the front end used for Account Origination, installed on the Android Supported Mobile Handsets developed using **Sybase Unwired Platforms** (A product of Sybase).
* Configuring the CRM Business Partner for different Roles (Account holder, Customer, Employee, Business Partner General, Sold-to-Party) with number ranges and groupings.
* Setting up Organization Structures for Partners (Employees) in different roles (**Sales Agent, Community Banker).**

**Technology***:* JAVA, Middleware, Net, QC, JIRA, SOAPUI, HTML, JAVA and SAP CRM, IBM Message Broker

**Role: Quality Analyst**

**Company Name**: HCL, Standard Bank, Johannesburg­­­, South Africa Feb 2012 – Mar 2014

**Description:**

Simplifying the NBA front-end to allow branch and CCC consultants to view the top three recommendations for a given customer by capturing a customer's South African ID. The recommendation should give consultants enough context to enable them to present the offers to customers in a convincing way.

**Responsibilities**

* Collected and analyzed business requirements, user profiles, and created workflow process charts and documents.
* Developed test data, test plans, test scripts, test cases, test scenarios, test data, and traceability matrix.
* Developed and implemented test suites, including features such as the data-driven framework for automated scripts using **QTP**.
* Performed regression, functional, smoke, and E2E testing.
* Interacted with developers and team lead while testing the application.
* Created reports and communicated with developers, scripter, and application owners for application defect tracking & resolution.
* Testing different results generated by the reports against the data in the database and performing UAT on that data.
* Developed and executed complex **SQL** Queries and performed database testing.
* Coordinated with the third party for the preparation of data.
* Used SAS Programming techniques along with **SAS** Import and Export wizard to extract data from Excel.
* Generating detailed test execution summaries and bug reports.

**Technology:** Java, SOAP, Selenium, UFT, SAS, JavaScript, and LoadRunner