**Srikanthreddi Maddireddi**

**Sr. QA Automation Engineer/SDET ||** **maddireddysrikanth2@gmail.com**

**Summary:**

* 8+ years of experience in Automation Engineering, SDET, and Manual testing with extensive knowledge of Software Automation in Selenium WebDriver, Playwright, UFT/QTP, Java, API testing, Design, and implementation.
* Experience working with multiple backend technologies like C#, SpecFlow, .NET, Python, Pytest, PowerShell, Node.js, and databases like MySQL and PostgreSQL. Experience in working Cypress for angular application end-to-end testing.
* Experience programming in JavaScript, HTML, CSS, XML, and SQL on Windows, Vista Operating Systems, and UNIX environments.
* Good experience performing all types of testing in complex Linux, and Java environments.
* Skilled in functional testing, unit testing, integration testing, regression testing, black box testing, white box testing, API Testing, GUI testing, back-end testing, and browser compatibility testing in different stages of the Software Development Life Cycle (SDLC).
* Proficient in Python for test automation in the role of a Software Development Engineer in Test (SDET).
* Have extensive experience in Sauce Lab, Web Services testing, SOAP, and REST API Testing using UFT/QTP API, Restful API, Rest Sharp, Para soft SOA, Groovy Script, JMeter, QMetry Postman, and SoapUI.
* Knowledge of Software Development Life Cycle (SDLC) methodologies such as Scrum (Agile), waterfall models and TDD.
* Expertise in using various IDEs like Eclipse, Visual Studio, Sublime Text, and IntelliJ IDEA.
* Expertise in automation scripts to test Mobile applications on IOS and Android platforms using Appium Emulators and IOS Simulators to test the application virtually.
* Expertise in problem Analysis & Resolution skills and ability to work in Multi-Platform Environments like Windows, UNIX and Mainframes Testing.
* Have experience in in Robot Framework using RIDE for acceptance testing.
* Experience in building and maintaining regression test suites and automating them in JavaScript using frameworks such as Cypress and Playwright for efficient and effective testing.
* Extensively worked on Autosys (Batch Scheduling Tool) to run and monitor scheduling jobs.
* Expertise in creating and updating automated test cases using Selenium in C#, .Net, or Core Java languages by following TDD (Test Driven Development) or BDD (Behavior Driven Development) concepts.
* Experience in manual testing and automated testing using different tools like Playwright, UFT/QTP, and Selenium (Web Driver) using Java. Knowledge and familiarity with different UFT/QTP and Selenium automation frameworks.
* Experience in ETL/BI testing with extensive backend testing and a good understanding of Data Warehousing concepts and database concepts.
* Experience in Data Profiling, Data Extraction, Data Integration, Data Testing and Data Cleansing.
* Good knowledge of Load, Stress and performance test using LoadRunner.
* Experience in implementing CI/CD processes and integrating Protractor test scripts for the application developed in Java, using backend applications that utilize Selenium test scripts.
* Proficient in writing SQL and PL/SQL queries for backend testing and performing database testing in different RDBMS like Oracle and SQL.
* Experience in developing and deploying IaaS, PaaS, and SaaS applications within popular public cloud platforms (AWS, Azure, Oracle Cloud, GCP, etc.) and using tools such as Git, Open Shift, Kubernetes, and Docker.
* Skilled in using Azure PaaS Solutions like Azure Web Apps, Web Roles, Worker Roles, SQL Azure, and Azure Storage. Ability to write scripts using Azure PowerShell during the Automation and build process.
* Experience in working with Amazon Web Services Elastic Beanstalk like EC2, SQS, S3, Lambda, Elastic Search, Dynamo DB, Elastic Load Balancer (ELB) and Docker Container.
* Experience in HIPAA/EDI claims Analysis, Medical Claims Analysis, Claims Processing, design, Implementation, and Documentation in updating ICD-10 Migration from ICD-9.
* Knowledge of MMIS (Medicaid Management Information System, EMR (Electronic Medical Record), EHR (Electronic Health Record), and healthcare reforms.

**Work Experience:**

 **Sr. QA Automation Engineer / SDET**

**CanoHealth | Miami, FL (Remote) Jan 2021 to Current**

**Responsibilities:**

* Use SoapUI and Restful services for testing Web Services and Protractor for testing Angular, working with different frontend HTML, CSS, JavaScript, Node.JS, AngularJS, and backend programming languages like C, C#, .Net and Java Application.
* Developed and Executed Automation and Manual test cases for Functional testing of various modules of the application. Responsible for writing test scripts for end users to perform UAT.
* Work on developing a framework from scratch for using Cucumber and Gherkin to automate UI and use JavaScript and Node.JS.
* Worked on .NET's strong developer community, backed by Microsoft, guarantees ongoing updates, support, and ample resources for effective troubleshooting and learning.
* Managed a large-scale project per PMO and SDLC Scrum (Agile) and Waterfall methodologies and procedures.
* Azure PaaS Solutions - (DR on cloud using Azure Recovery Vault, Azure Web and Worker Roles, SQL Azure, Azure Storage ).
* Daily BVT run, analyze test results and filing bugs Database verification testing Automating DB test cases using C# and ADO.NET.
* Tested ETL (Informatics) mappings for each extract in the Informatics Designer and verified the session logs through Informatics Workflow Manager.
* Involved in Data testing by writing SQL queries in database tables to ensure UI result match.
* Implemented Cypress automation framework for my team to ascertain the crucial user-facing functions of the application and implemented Smoke and Regression Test to verify the existing functionality.
* Conducted training sessions on Mainframe Testing concepts, VSAM, JCL, and Software Testing Concepts.
* Automated the Acceptance Test cases using Robot Framework and supporting libraries.
* Designed and developed Data driven, Behavior driven, TDD and Hybrid Automation framework using Selenium WebDriver and Python and performed unit testing by using Unitest and Pytest.
* Worked on Playwright Testing for end-to-end test framework for AngularJS applications and other JavaScript applications.
* Reviewed Test plans, Test cases and Test scripts to ensure consistency with strategic direction, goals and objectives of QA resources working on the project with Kanban methodology.
* Tested the UNIX shell scripts that were converted from Windows scripts.
* Involved in creating various data scenarios and validating them before and after running the respective Autosys batches.
* Tested the REST calls (POST, GET, PUT, DELETE methods) using POSTMAN and Playwright.
* Worked on network base software testing includes Web Server, Internet information Server(IIs) and Tomcat Server.
* Developed and updated automated regression test cases in Selenium WebDriver with C#.
* Writing the test class methods using Test, java code for fetching the data from .XLS using Apache POI.
* Responsible for maintaining and developing Automated Test Framework using Selenium WebDriver and Test NG.
* Responsible for developing test scenario, test suite, test plan and test cases for Performance Testing using LoadRunner and Performance Center.
* Used JIRA for application life cycle and test management and assisted the team on PostgreSQL.
* Worked on Python Open stack API’s used Python scripts to update content in the database and manipulate files.
* Automate Regression Test cases using Selenium WebDriver, Jenkins, and Maven.
* Involved in migrating the existing application to the AWS cloud by using VB script and JAVA.
* Integrate Selenium, Cucumber, SpecFlow and UFT with other tools such as Git, GitHub, Linux, Bamboo, Bash script, and JIRA to support continuous integration and continuous delivery (CI/CD) pipelines.
* Create and update the Devops configurations for setting up Dev/QA/Prod environments using PowerShell and Ruby.
* Use to execute LoadTests outside the company firewall by configuring host machines with JMeter in AWS.
* Work in Version control and Project Management tools like AWS Devops to create work items, prioritize, classify bugs, and track defects.
* Created a data driven framework using Protractor, Jasmine, Page Object model (POM) by utilizing Typescript/JavaScript.
* Executed cross-browser and parallel testing using Selenium Grid.
* Used Appium for native, hybrid Mobile Application Testing for IOS and Android platforms.
* Involved in testing of services using SOAP/REST services using SOAPUI, Groovy Script.
* Build automation frameworks from scratch, incorporating BDD cucumber for UI automation, TDD with SoapUI and Excel for Web services, and JMeter for UFT.
* Create JSON POST and GET requests for RESTful API services using POSTMAN to assert responses.
* Prefer using Testing tools such as HP Quality Centre, HP ALM, JIRA, Web services testing using SOAPUI PRO and REST.
* Visual studio IDE for developing test components and code management in C#.
* Created XML Schemas for different EDI transaction sets as well as ICD 9 to ICD 10 diagnosis codes.
* Used Facets to maintain data about enrollment, billing and healthcare claims management and to store send and receive HIPAA transactions and facilitate the administration of HIPAA privacy rights.
* Coordinated the end to end testing efforts of the HIPAA compliance and EDI transactions.
* Work on good programming skills in Oracle, SQL, and PL/SQL and experience in SQL Server, Access, and Oracle Databases.

**QA Automation Engineer**

**Northwell Health| Lexington Ave, New York, NY Aug 2018 to Nov 2020**

**Responsibilities:**

* Selenium Test Environment Setup includes Maven Integration, Selenium WebDriver, Playwright, SpecFlow, Java, and TestNG.
* Creating and enhancing Test Scripts using Element locators, Java programming concepts.
* Built unit test framework using python and pyunit test framework for automation testing.
* Worked on Black Box Testing, White Box Testing, and Grey box Testing, Regression Testing, Integration Testing User acceptance testing (UAT) etc. and used JIRA as Bug tracking tool.
* Developed the GUI using HTML5, CSS3 and Java Script components involved actively in understanding client requirements and analyzed the impacts on existing system.
* Involved in testing the batch programs by using the Autosys tool.
* Executed Manual Test cases for Functional Testing and logged defects for the failed test cases.
* Created test and tested Web based and consumer applications, using manual and automation tools like HP ALM.
* Wrote and executed various MYSQL database queries from Python using Python-MySQL connector and My SQL dB package.
* Developed Test Framework in Selenium for UI Regression Test Automation and when necessary, and potentially execute Unit Test automation (Java/Junit).
* Involved in Data Profiling, Data Extraction, Data Integration, Data Testing and Data Cleansing.
* Involved in API automation test scripts using Postman API and JavaScript / Newman command-line collection runner.
* Validated ETL mappings by running the Session, Workflows from the Informatics Monitor and verified the log files and implemented Smoke and Regression Test to verify the existing functionality.
* Working on testing mainframe and web UX and worked in a combination of agile and waterfall methodologies based on project need.
* Ride GUI using the robot framework testing platform. Complete push button, HTML reporting and Jenkins continuous enabled.
* Providing accurate Confidential for all sprint based and Kanban projects such as web-based client portal used by both Account Management.
* Responsible for testing the product using SQL Queries/ UNIX command for the DB check and server startup/new builds.
* Used C#.NET to define and implement secure middle-tier components using ADO.NET.
* Combined Protractor with powerful tools and technologies such as Jasmine, Cucumber and Mocha.
* Responsible in testing both SOAP and REST services using SOAP UI, POSTMAN, Rest assured and tested both XML and JSON formats.
* Automated various infrastructure activities like Continuous Deployment using Anisole playbooks and has integrated anisole with Jenkins on AZURE.
* Created SQL Server data access and business logic classes in Visual Studio and Framework.
* Developed and deployed test automation scripts to do end to end performance testing using LoadRunner.
* Use Eclipse IDE’s for compiling the Java code and automates the test results.
* Working in setting up CI/CD pipelines using tools such as Jenkins and Maven.
* Merged branches via Git and pull requests via GitHub per release management process to minimize risk to releases.
* Working knowledge using the Quality Center to manage the software testing process and Clear case, Bugzilla, Jira for tracking the process and sharing the files.
* Creating VMs in the cloud using PowerShell including the VNet setup, load balancing etc and then create a template based on the required configuration.
* Automated data warehousing testing includes testing Informatics and Ab Initio ETLs ((Informatics), as well as Congo’s Reports.
* Worked with AWS cloud machines to setup selenium GRID and Jenkins server.
* Provided support in the performance testing using JMeter task includes developing test plan, test script and reports.
* Involved in Software Development Life Cycle (SDLC) methodologies such as Agile, Scrum, waterfall models and TDD.
* Performed BDD (Behavior Driven Development), ATDD (Acceptance Test Driven Development) using Cucumber Features, Scenarios and Step Definitions in Gherkin format.
* Implemented Cypress automation framework to my team to ascertain that the crucial user-facing functions of the application.
* Helped in migration the existing MYSQL and ORACLE databases to the cloud using AWS Database Migration service and schema conversion.
* Working on back ends testing and writing SQL queries validating data integrity, schema, and statistical validations.
* Working with EPIC and All scripts software applications testing, Testing Life Cycle, Agile/Scrum Methodology, EMR/EHR Application testing and EDIT testing.

**Automation Engineer**

**Carilion Clinic Family Medicine | Vinton, Virginia, VR Sep 2016 to Jun 2018**

**Responsibilities:**

* Implemented automation scripts using Selenium WebDriver, JAVA, TestNG, Selenium Grid, Cucumber, and Maven.
* Utilized Protractor/WDIO for testing Angular web applications with TypeScript, JSON, and JavaScript.
* Utilize Python libraries and frameworks (e.g., PyTest) to automate repetitive testing tasks and data validation.
* Wrote BDD (Behavior Driven Development) and TDD (Test Driven Development) scenarios, step definitions using Cucumber, Gherkin, and Ruby.
* Execute test cases on demand basis testing in VSTS Azure DevOps CI/CD release pipeline.
* Used Java language and Test NG framework for scripting. Used Ant for building the WebDriver project.
* Developed and maintained automated test suites for various test levels, including Smoke and Functional testing.
* Performed data-driven testing by using JDBC as a data source in SOAPUI.
* Wrote Python/Perl scripts to parse XML/JSON documents and loaded data into the database.
* Developed Automation Scripts for Regression using Selenium WebDriver and Java using JMeter framework.
* Test the interoperability of healthcare supply chain systems with other healthcare IT systems, such as Electronic Health Records (EHR) and Enterprise Resource Planning (ERP) systems.
* Involved in Performance Testing - Load testing, stress testing and soak testing of the application using LoadRunner.
* Developed SQL Server data access and business logic classes in Visual Studio.
* Designed and developed presentation layer using JSP, HTML 5, CSS 3 with client-side form validation by Java Script, Node JS, NPM and Strut's built-in form validations.
* Deployed and executed scripts in headless mode using Go pipeline and Jenkins/AZURE as part of the CI/CD process.
* Created, scheduled, and executed scenarios using JMeter to assess the application's performance.
* Generated necessary graphs and reports to identify performance bottlenecks.
* Collaborated with the project team to understand the testing requirements and created comprehensive test plans.
* Manually tested the application following the Waterfall methodology.
* Designed and executed test cases, covering Smoke, Functional, Integration, System, User Acceptance, and GUI testing.
* Exported manual test cases into Quality Center and maintained them in the Test Plan module.
* Analyzed Business Requirement Documents (BRD) and Functional Requirement Documents (FRD) to ensure test coverage.
* Validate data processing and analytics components of big data technologies in the context of healthcare supply chain systems.
* Used JIRA to track defects, bugs, and issues, and actively managed them.
* Performed black-box, white-box, and regression testing in both UNIX and web-based environments.
* Created and executed Selenium scripts in TestNG with parameterization using Data Provider annotation.
* Configured SQL queries to fetch data from Oracle and SQL Server databases.
* Worked with providers and Medicare or Medicaid entities to validate EDI transaction sets or Internet portals.

**Manual Tester**

**Global Data Systems| Houston, TX Mar 2015 to Jul 2016**

**Responsibilities:**

* Regression test cases were written and automated using Selenium and Java.
* Was involved in WebDriver API automation test scripts using Postman API, Maven, and Newman command-line collection runner.
* Implemented Data Driven, POM using Java, selenium WebDriver.
* Performed rigorous manual testing such Functional Testing, Smoke testing, Integration testing, UAT Testing, Backend Testing, Regression Testing, End to End Testing and System Testing.
* Performed XML and SOAP Request and Response validations in SOAPUI.
* Utilized JIRA as a defect tracking tool and effectively followed agile and Scrum methodologies for improved project management and coordination.
* Conducted black-box testing, White-box testing, and Grey-box testing - functional, regression, and data-driven.
* Used HP Quality Center for bug tracking and reporting, also followed up with the development team to verify bug fixes and update bug status.
* Defined requirements for large-scale LoadRunner performance tests of the web, client-server and database server Applications.
* Coordinated with other teams for complete System Integration Testing and Customer Acceptance Test Cases in Excel sheets and exported to ALM tool.
* Provided support in the performance testing using JMeter tasks, including developing test plans, test scripts, and reports.
* Created various test reports such as Test Execution Status, Defect Status, and Defect Injection Rate through Reports and Graphs feature of Quality center and publish them on as needed basis on the SharePoint site.
* Was involved in the development of UFT Test Scripts, logged defects, and coordinated with other members of the team for resolution.
* Performed back-end testing using SQL queries to validate the data in the back-end SQL Server.

**Education:**

Bachelor of Technology (CSE) | JNTU || Hyderabad, India 2009