**Venkatesh V**

**LinkedIn:** [linkedin.com/in/venkatesh-v91](https://www.linkedin.com/in/venkatesh-v91)

**Lead QA Manual and Automation Engineer**

**++1 (313) 726 4847 / martin@provincesoft.com**

**Immediate available, open to relocation, only c2c**

**PROFESSIONAL SUMMARY:**

* Having 10+ years of experience in **software testing**,**software release management**, and **quality improvement processes**. Proficient in both **Waterfall** and **Agile SCRUM** methodologies.
* Extensive experience in diverse domains such as **health care, Banking, E-commerce, and Insurance.**
* Skilled in writing automated **API test scripts** using industry-leading tools such as **Postman, Rest Assured, Karate, and SoapUI.**
* Proficient in writing and maintaining **UI automated test scripts** using frameworks like **Selenium WebDriver, Cypress, Playwright, and Cucumber.**
* Proficient in utilizing **mobile testing** tools such as **Appium, XCUI Test, Espresso, and UI Automator,** and skilled in conducting manual and automated testing on real devices.
* Experienced in using **database testing** tools like **DB Visualizer, Toad, and SQL Developer** to conduct comprehensive testing of stored procedures, triggers, views, and database transactions.
* Proficient in utilizing **ETL testing tools** such as **Informatica, Talend, and Teradata**, and skilled in performing data validation, reconciliation, and error handling procedures to ensure data quality and integrity.
* Expertise in developing software**Test Plans, Test Cases, Test Data and Test Scripts**.
* Skilled in a wide range of **software testing methodologies**, including **Exploratory**, **smoke**, **sanity**, **positive**, **negative**,**UAT**, **data-driven**, **regression**, **black box**, **white box**,**unit,** and **integration testing**.
* Expert Knowledge in Testing Payment Merchant gateways such as Pay flow, Authorize.Net**, Trust Commerce, Elavon Fedwireservices**, etc.
* Proficient in **Java, python**, J2EE,HTML**,** CSS**, JavaScript**, XML, JSON, and **.**NET applications.
* Skilled in utilizing automation tools such as **Cypress**, **Selenium WebDriver**, **Selenium Grid**, **Cucumber**, and **Playwright** across multiple browsers like Edge, Firefox, Safari, and Chrome thorough application validation.
* Skilled in developing **Behavior-Driven Development (BDD)** scripts with **Cucumber,** also proficient in writing clear step definitions and features in **Gherkin** to translate business requirements into executable scenarios.
* Skilled in using **Playwright**, a modern end-to-end web testing automation framework.
* Experienced in integrating **Cypress** tests into continuous integration pipelines for automated testing.
* Proficient in designing and implementing frameworks such as **Behavior-Driven Development**, **Keyword-Driven**, **Data-Driven**, **TDD** and **Page Object Model** (**POM**).
* Performed manual **UI testing** across different platforms like Chrome, Firefox, edge and mobile **(IOS, Android),** and desktop applications (windows, macOS, Linux).
* Skilled in leveraging **Sauce Labs** or **Browser Stack** for cloud-based testing to report defects and test results.
* Proficient in utilizing **TestNG data providers** to configure multiple datasets and implement **Data-Driven testing** in WebDriver.
* Solid experience in **API Automation Testing** using Java Spring Boot 2**, Rest Assured, GraphQL, and Postman**.
* Established an end-to-end **API automation** framework from scratch using **Rest Assured, java,** and **TestNG**.
* Experienced in **ETL testing** using **Informatica** Power Center/Power Mart (Designer, Workflow Manager, Workflow Monitor, and Server Manager).
* Experienced in automating **mobile** testing using both **Appium** and **Espresso**, adept at conducting tests on **desktop** and **Android** platforms and end-to-end testing of java applications.
* Proficient in creating, executing, and troubleshooting performance test scripts with tools like **Load Runner** and **JMeter**.
* Proficient in using **SQL** for configuring tests and validating data across **Oracle** and **SQL Server** databases. This involved writing **SQL** queries and **stored procedures** to execute comprehensive **database testing.**
* Strong MS Entity Framework and Spring **JDBC** background for efficient data management.
* Having experience in **Big Data Technologies** like Hadoop, Pig, Hive, and Spark.
* Experience in Testing Tools like **UFT, QTP, HP ALM, Zephyr, Jira, Perfecto, Postman, Test rail, Android Studio, Appium, Selenium, and Rest Assured.**
* Working knowledge of various concepts and technologies like **VB Script, SQL, Oracle, JUnit, JMeter.**
* Proficient in middleware technologies such as **Kafka, RabbitMQ, and ActiveMQ.**
* Experienced in creating and maintaining **Continuous Integration/Continuous Development** (**CI/CD) pipelines** for automation projects using **GIT, Jenkins**.
* Skilled in **Maven** and **Gradle**, leveraging these build automation tools to manage dependencies.
* Experienced in **Cloud Computing** services, such as **AWS** (EC2, RDS, DynamoDB, CloudWatch, Code Build, IAM) and **Microsoft Azure** (Virtual Machines, Pipelines, Artifacts, Load Test, SQL Database).
* Proficient in utilizing **GitHub** for source code management and version control.
* Utilized **Log4j** to generate detailed test logs across multiple log levels.
* Experienced in DevOps practices, employing tools like **Docker, Kubernetes**, **Terraform**, and CI/CD pipelines.
* Deploying the code through web application servers like **Web Sphere**/**Web Logic**/ **Apache**.
* Skilled in managing defects, **tracking bugs**, and reporting issues using tools like **Jira** and **Bugzilla**.
* Consistently recognized for excellent **problem-solving** and **analytical skills** by programmers, project managers and stakeholders.

**TECHNICAL SKILLS:**

|  |  |
| --- | --- |
| Languages | **Java, python,SQL, PLSQL, JavaScript** |
| Testing Tools | **Selenium Web Driver/IDE/GRID, JUnit, TestNG, Cucumber, Firebug, FirePath, SOAP UI, Postman, REST Assured, Karate, Cypress, Appium, JMeter, Playwright, XCUITest, Log4j, Zephyr** |
| Web services | **REST ,SOAP, REST API** |
| Application/Web Servers | **Apache Tomcat 9.x, JBoss, Web Sphere** |
| Methodologies | **Agile, Scrum, Waterfall,Kanban** |
| BuildTools | **Jenkins, Maven, Docker, Azure, AWS, Azure DevOps,Kubernetes, CI/CD,Ant, Gradle** |
| Web Technologies | **HTML5, AJAX, XML, JSON, jQuery, JavaScript ES6, CSS3, Angular JS, Node JS, React JS, JSF, JSTL, DOM, JAXB and JAXP.** |
| IDE Tools | **Eclipse, IntelliJ, STS** |
| BugTracking Tools | **Jira, Bugzilla** |
| Cloud services | **AWS, Microsoft azure, Google Cloudplatform (GCP).** |
| Databases/API | **Oracle, SQL, PLSQL, NoSQL, DB Visualizer, MongoDB, MySQL, MS Access, MS SQL Server, Triggers, View, Toad, Postman** |
| Operating Systems | **UNIX/Linux, Windows** |
| Data Modeling | **MS Visio, and UML Design** |
| Versioning Tools | **GIT, SVN, BitBucket** |

**PROFESSIONAL EXPERIENCE:**

**Client: Bank of America, Charlotte, NC Nov 2021 to present**

**Role: LEAD QA Manual and Automation Engineer**

**Responsibilities:**

* Involved in all stages of **Testing Life Cycle**, Test Driven Development methodologies, SoftwareDevelopment Life cycle **(SDLC)**using Agile methodology.
* Collaborated closely with the **product team**, **business analyst**, and **developers** to ensure alignment with application requirements and **user expectations**.
* Involved in performing **Functional, Regression,System, Integration, Security, Configuration, System, Load, Stress, Performance, Smoke, GUI** testing and **User Acceptance** testing.
* Implemented banking**API testing** procedures to verify the reliability and performance of **payment gateway** integrations, ensuring seamless communication between banking systems and external financial services.
* Tested and validated **mobile banking** application functionalities, ensuring seamless and secure user experiences across diverse devices and operating systems.
* Tested end-to-end payment processing systems in compliance with ISO 20022 messaging standards, ensuring accurate and reliable financial data transmission across multiple banking platforms.
* Conducted integration and functional testing for payment workflows involving ISO 20022, validating message formats, schema validation, and message transformation.
* Validated conversion of legacy SWIFT MT messages to ISO 20022 format, identifying and resolving discrepancies in data transformation.
* Good experience in **mobile testing** using **Appium** in both **IOS** and **Android** applications using **simulator** and **Emulator**.
* Performed **Cross-Platform, Functional, Regression testing, UI testing** for the mobile app using **Appium** test **Automation Framework**.
* Utilized **Perfecto** and **Appium** to automate security and compliance testing for mobile banking applications.
* Used **Playwright** to develop automated test scripts for responsive web applications, streamlining the testing process and reducing human error.
* Conducted browser compatibility testing using **Playwright**, addressing critical issues across different browsers and devices also executed cross-browser and **parallel testing** using **TestNG**.
* Developed a robust UI automation framework from scratch using **Selenium WebDriver, TestNG**, and **Python**.
* Created automation test scripts utilizing **BDD** and **POM** design approach, leveraging **SeleniumWebDriver**, Java, and Excel for Data-Driven testing.
* Scripted **Behavior driven** automation test cases with **Cucumber** framework using **Gherkin** Languageand alsoCreatedRegression Scriptsusing **Selenium Web Driver.**
* Automated Smoke& Functionaltest cases using **Selenium Web Driver**, **TestNG**& **Java (Eclipse IDE)**.
* Design and develop **testcases**, **testplans**, and **testscripts** for **APItesting**.
* Utilized **Karate** to execute **HTTP requests**, **validate responses**, and conduct various assertions with straightforward and expressive syntax.
* Utilized **SonarQube** to implement quality gates, ensuring adherence to code quality standards across microservices-based payment systems.
* Implemented a scalable **API testing** solution from scratch using **Rest Assured** and **Jenkins.**
* Conducted comprehensive **API testing** using **Postman** to validate the functionality, reliability, and performance of **RESTful** services.
* Implemented **data-driven testing** strategies using **JSON files, CSVs**,andexpanding test **coverage,** and validating various **data scenarios and edge cases.**
* Implemented automated **ETL testing** using **Talend** to streamline data validationand reduce manual efforts.
* Involved in writing **SQL Queries** for backend/ETL testing.
* Conducted **Database testing**, by writing SQL queries to validate **data integrity** and updated data compliance with test cases across various modules of the application and utilized **JDBC** for saving and retrieving files.
* Implemented the **MySQL database**, performing tasks such as querying, data manipulation, and optimization.
* Worked on **Views**, **Stored Procedures** and **Triggers** and tested them by writing **SQL Queries**.
* Used **JMeter** to measure the performance of client/server applications and for performing load tests.
* Leveraged **Apache Kafka** for comprehensive testing, ensuring seamless message communication and data integrity across distributed systems in real-time environments.
* Performed load and performance testing on **Kafka** message queues, ensuring high availability and fault tolerance in event-driven payment systems.
* Proficient in utilizing **Zephyr** for test management, including creating and organizing test cases.
* Logged and managed defects using HP **ALM** defect management tool also configured **Jenkins** as a **Continuous Integration** server with **GitHub** and **Maven**.
* Designed and implemented **end-to-end** fraud detection and prevention systems, significantly reducing fraudulent transactions.
* Collaborated with cross-functional teams to streamline payment processing through **Kafka,** facilitating real-time transaction data streaming for fraud detection and AML systems.
* Wrote and executed **Test Cases** for **User Stories** and **Logged Defects** for test failures using **JIRA**.
* Involved in the **UAT** phase to execute the scenarios by working with Business partners.
* Deployed applications with **Docker** containers using **Docker** Image files, and proficiently set up and managed **Kubernetes** clusters for efficient container orchestration.
* Provisioned test environments on **AWSEC2** to run tests concurrently on multiple instances or containers, optimizing test execution time and resources.
* Managed relational databases with **Amazon RDS**, utilized **NoSQL** databases with **Amazon DynamoDB** and implemented in-memory caching with **Amazon Elastic cache**.
* Worked closely with Technical Project Managers and Development Team in **defect** tracking, **re-testing**.
* Used **Git** as a code repository and Code Collaborator to manage code reviews.

**Environment:** **Selenium**,**Cucumber, selenium grid, Rest Assured, playwright, selenium web driver, Appium, seleniumIDE, Postman, Java SpringBoot2, AWS, python, Kafka,TestNG, Jenkins, Maven, SOAP UI,wc3 protocol,XCUI Test, UI Automator2,WinSCP, My SQL, GIT, Agile, Xpath, Jira, GitHub,JMeter, JavaScript, MS Word, MS Excel, PL/SQL, SQL, Jenkins, Docker, CI/CD.**

**Client: AdventHealth, Altamonte Springs, FL May 2019 – Oct 2021**

**Role:Senior QA Automation Engineer**

**Responsibilities:**

* Proficient in both **manual and automated testing** methodologies, with extensive experience in designing, executing, and maintaining comprehensive **test plans, test cases, and test scripts** to ensure the quality and reliability of software products.
* Conducted**API testing** to ensure communication and data exchange between various healthcare systems such as Electronic Health Record (**EHR**) systems, Laboratory Information Management Systems (**LIMS**).
* Tested **APIs** to verify authentication, authorization, encryption, and access control measures implemented to protect patient information.
* Scripted **Data driven** automation test cases using **TestNG** framework which read data from property and XML files also developed automation scripts using Selenium **Web Driver, Eclipse, TestNG, and java**.
* Utilized tools such as **SOAPUI**, **Postman**,**Karate** for API testing and validation.
* Utilized **SOAP UI and JMeter** for testing SOA-based architecture applications, including **SOAP** services and **REST API**, and prepared/executed test scripts for web services testing.
* Utilized **JavaScript's** fetch API to seamlessly integrate third-party APIs and services into web applications, enabling smooth data exchange and interaction.
* Used**Cypress** to validate transaction flows, ensuring accuracy, security, and compliance in payment processing systems.
* Utilized **Cypress** for performance and load testing to evaluate the application's scalability and response time.
* Executed cross-browser and cross-platform web testing with **Selenium WebDriver**, conducting build **acceptance testing** and **smoke testing** using **Cucumber** automation tool.
* Experienced in design and developed Automation Tests in **Cucumber** Framework, Test Driven Development(**TDD**) and Behavior Driven Development (**BDD**).
* Proficient in writing Test Plans, Test Cases and Feature files in **Gherkin** language for both Manual and Automated Testing also used **Cucumber** for browser-based testing with scenarios and situations.
* Involved in providing efficient locators strategy like **XPath** and **CSS** to run Web-Driver script in stable condition also involved in writing unique **XPath** using Firebug and Fire Path to identify web elements.
* Built mobile automation framework with **Appium**, **TestNG**, and **Java** for seamless testing on **Android**/**iOS**.
* Executed automated **UI tests** for **iOS** apps using **XCUITest** framework and proficiently managed native system alerts, pop-ups, and dialogs in **Android** apps with **UiAutomator**.
* Tested the **ETL** Proces**s**to push the transactional data from the normalized data structure into **Data Marts.**
* Hands on Knowledge and good understanding of **MongoDB NoSQL** and Database automation experience with MongoDB.
* Conducted **ETLtesting** to validate accurate and efficient data processing and transformation within the data warehouse and related systems.
* Developed custom dashboards in **Datadog** to visualize key metrics and performance indicators, providing stakeholders with real-time insights into system health and performance.
* Assigned the new projects to the testing team and tracked the **Review schedules and Testing Status**.
* Involved in tracking and reporting defects using the **Quality Center** and was also responsible for communicating the status to the development team.
* Performed **Smoke**, End to End and **Regression** tests in Test environment and Production support environment.
* Created and executed deployment jobs in **Jenkins** **(CI/CD)**and used **Maven** as build management tool.
* Leveraged **Azure Load Test** to simulate high traffic loads and measure application performance under stress.
* Used **Azure DevOps** services, such as **Azure Pipelines**, **Azure Repos**, and **Azure Artifacts**, to implement CI/CD pipelines for automated testing.

**Environment: Selenium, selenium web driver, Cucumber, Web Driver, cypress, Appium, karate, Java, Datadog,TestNG, Maven, JavaScript, SOAP UI, Agile, XPath, Jira, Eclipse, wc3 protocol, Kafka,XCUI Test,UI Automator2, JMeter, MSWord, MS Excel, Jenkins, Azure, PL/SQL, SQL, Windows**, **CI/CD**.

**Client: Farmers Insurance, Los Angeles, CA July 2017–April 2019**

**Role: Senior QA Automation Engineer**

**Responsibilities:**

* Actively participated in **Agile testing** methodologies, contributing to **daily scrum** and **release planning meetings**, reviewed **product backlogs** and technical documentation.
* Conducted Smoke testing, **Functional testing, Regression testing, Product testing, User Acceptance Testing (UAT) and Data validation testing.**
* Used Java SpringBoot2 and **Rest Assured** for thorough **API testing** and validation.
* Created RESTful services collection in **Postman** and validated the responses.
* Conducted **API automation testing** using **Rest Assured and Karate** to ensure backend service reliability.
* Utilized **SeleniumWebDriver, TestNG, and Eclipse** within a Hybrid framework, integrating both keyword-driven and data-driven methodologies for test script automation.
* Developed a test automation framework from scratch using **Cucumber** with Page Object Model (**POM)** and Java also performed acceptance testing using **Cucumber to**verify the application's basic functionality.
* worked on **Acceptance Test Driven Development (ATDD)** agile methodologies completing releases ahead of schedule.
* Implemented **JavaScript** modulesto organize code into reusable components and enhance maintainability.
* Developed a mobile automation framework using **Appium**, **TestNG**, and **Python**.
* Performed mobile testing manually by using **Perfecto** and **Appium** for automation of Android devices using **Android Studio (emulator)** and **Xcode (simulator)**.
* Performed backend testing and wrote **SQL** queries to compare the UI results with the database.
* Worked on **Oracle** database, performing tasks such as querying, data manipulation, and optimization.
* Prepared **Test Plans, Test Scripts**, and **Test Cases** based on functional specifications and user requirements.
* Used **JIRA** to track the tasks and issues andattended daily status meetings to update the status of work.
* Managed project dependencies with **Maven** and maintained code repositories using **Git.**
* Utilized **Kafka** Streams for stream processing, enabling complex data transformations and aggregations.
* Implemented **AWS cloud services** such as **EC2, S3, and RDS** to architect and maintain scalable and secure infrastructure.

**Environment: Selenium, TestNG,java springboot2,Eclipse Ide, Karate, Cucumber,Oracle Database, Perfecto, Appium, Android Studio, Xcode, AWS, EC2, S3, RDS, SOAPUI, Kafka,wc3 protocol,XCUITest, UIAutomator2, JMeter, CI/CD pipelines, Maven, GIT, Jira.**

**Client:Costco Wholesale, Seattle, WA March 2016- June 2017**

**Role: QA Manual and Automation Engineer**

**Responsibilities:**

* Involved in all phases of Software Testing Life Cycle (**STLC**) Requirements & Design Review, Test Planning, Test Designing, Test Environment Setup, Test Execution and Test Reporting.
* Followed **Agile/Scrum** Methodologies for all the project activities and attended daily standups, sprint reviews, planning, user story grooming and retrospectives.
* Involved in **User Acceptance Testing, GUI Testing**, and **Regression testing**.
* Developed automated functional test framework utilizing **Java, TestNG and Selenium**.
* Performed UI and Api automation using **selenium, cucumber, and rest assured**.
* Used Selenium Web Driver and **Cucumber** to test UI applications and tested the API calls by using **REST Assured.**
* Involved in creation of automation framework in Selenium **WebDriver** using **BDD** approachlike **Cucumber**.
* used **TestNG** for unit testing and integration testing of **Java** applications, including both UI and API testing.
* Strong **experience in White box testing and TDD**(Test Driven Development).
* Conducted thorough **APItesting** using **REST Assured**, **SoapUI** to validate functionality and ensure software application integrity.
* Created RESTful services collection in **Postman** and validated the responses.
* Perform **Black box and BDD gray box testing**on API Rest Services on a Java platform.
* Utilized **Espresso** for precise UI component testing and **Appium** for cross-platform end-to-end testing.
* Performed QA Automation testing, **Integration**, and **Regression** testing activities for new releases in an End-to-End environment for the Point-of-Sale application.
* Performed **functional and integration** testing of various components of the **POS system**, including hardware peripherals.
* Designed and conducted load tests using **JMeter** to emulate real-world user scenarios.
* Worked on **PostgreSQL** database, performing tasks such as querying, data manipulation, and optimization.
* Experience on Writing **SQL** queries to extract data from various source tables to perform **database testing**.
* Used**Bugzilla** tool for defect tracking also responsible for drafting **Test/Defect** Metrics.
* Prepared test scripts for **UAT**, showcasing strong proficiency in automation coding without reliance on record and **playback scripting**.
* Updated **Requirements Traceability Matrix** (RTM) to reflect the test coverage.
* Performed the automation of test scenarios for functionality, **GUI,** and Regression testing using **QTP**.
* Prepared testing estimates planned QA execution, UAT and Production Validation Testing.
* Implemented robust **CI/CD** pipelines with **Jenkins**also experience with build tools like**Maven and GIT.**
* **Azure SQL Database** to manage test data and databases in the cloud.
* Provisioned virtual machines and containers on **Azure Virtual Machines** to create on-demand test environments and perform cross-browser and cross-platform testing of web and mobile applications.

**Environment:** **Quality Center, QTP, Windows XP, MSWord, JMeter,MS Excel, NCR POS, LoadRunner,Bugzilla, Agile, Selenium, Cucumber, CI/CD pipelines,Azure Services, Appium, Soup UI, Pos Systems, REST- Assured**.

**Client:IVY, Hyderabad, India June 2012 to March 2015**

**Role: QA Automation Engineer**

**Responsibilities:**

* Excellent knowledge of Software Development Life Cycle (**SDLC)** and Software Test Life Cycle **(STLC).**
* Well experienced in writing **test scenarios, test cases and test Case Strategy and test scripts**.
* Demonstrated extensive **Agile** methodology knowledge, actively engaging in **sprint planning**, retrospectives, and daily **scrum** meetings.
* Performed **Integration Testing**, **System Testing**, **Regression Testing, Smoke and Functionality Testing.**
* Involved in developing **Selenium** Automation Framework with **Java** using **Page Object Model (POM**).
* Implemented **Data-Driven** and **POM** framework using **Apache POI** for seamless data integration.
* Performed **BDD** using **Cucumber Features**, **Scenarios,** and **Step Definitions** in **Gherkins** format.
* Implemented **TestNG** framework for smoke testing, ensuring comprehensive test coverage.
* Created automated script for REST-API testing using **Rest Assured**framework.
* Performed Api automation using **Rest Assured** and Ui automation using **selenium** and **cucumber.**
* Created automation scripts and tested APIs in **SOAP UI**,and **REST Assured** for web services testing.
* Performed Backend testing by extensively using **SQL** queries to verify the integrity of the database.
* Developed and executed automated tests for **MySQL** databases to ensure data integrity.
* Maintained and Managed Test Assets in **Quality Center** using Requirements, **Test Plan, Test Lab, Defect Modules for Defect Tracking a**nd Requirement Tractability.
* Executed performance testing using **JMeter** including developing test plans, test scripts, and reports.
* Utilized **Jira** as a test management and **bug reporting** tool to track deliverables, test progress, and execution effectively.
* Supported **Jenkins** integration for **CI**, enhancing automation and integration processes.
* Utilized **Maven** for build and dependency management, ensuring project dependencies are met.
* Hands-on experience in using **GIT**as a central repository to perform Push, Pull, Stage, Onstage, Stash, Status, Add, Clone, and remove operations in the local repository**.**
* Utilized **AWS SDKs** and APIs to perform seamless integration with testing tools.
* Successfully deployed scalable and secure cloud infrastructure on **Amazon Web Services (AWS)**, utilizing services **EC2**, **S3**, **RDS**, and **IAM** for optimal project performance.

**Environment:** **Selenium, selenium web driver, Cucumber,rest assured,Postman,TestNG,JMeter,Fire Path, Soap UI, AWS, EC2, SVN,Firebug,JSON, Jenkins, Jira,GitHub, Git,Log4j.**