**Venkata Aditya**
**SDET (Software Development Engineer in Test)**
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**Professional Summary:**

* **10+ years** of comprehensive experience in **Software Testing** across a variety of industries, including Mobile, Airlines, Entertainment, and Banking, with extensive knowledge of **Software Development Life Cycle (SDLC)** stages and expertise in **Quality Assurance (QA) processes** and modern **Test Methodologies**.
* **Proficient in test automation** with hands-on experience using advanced tools such as **Selenium WebDriver**, **Selenium Grid**, **Java**, **JUnit**, **Maven**, and modern frameworks like **Cypress** and **Playwright** for scalable and reliable automation testing across web applications.
* **Expertise in Mobile Automation** testing for **iOS** and **Android** platforms using **Appium**, with experience integrating mobile tests into CI/CD pipelines for continuous testing of mobile applications across emulators, simulators, and real devices.
* Skilled in developing and maintaining automation frameworks from scratch using modern test frameworks like **TestNG**, **Cucumber (BDD)**, and **PyTest** for clean, structured, and maintainable code.
* Advanced knowledge of **API testing** using tools such as **Postman**, **RestAssured**, and **Karate** for RESTful and SOAP-based web services. Proficient in API automation and **service-level testing**, ensuring smooth integration between backend services and frontend systems.
* **Experience with performance testing** tools like **JMeter**, **Gatling**, and **k6**, conducting performance and load testing for web and mobile applications to ensure scalability and reliability.
* Adept in **cloud-based test automation** and execution using platforms like **BrowserStack**, **Sauce Labs**, and **AWS Device Farm** for cross-browser, cross-device, and cross-platform testing.
* Hands-on experience in **DevOps & CI/CD integration** with testing pipelines using tools such as **Jenkins**, **GitLab CI**, **CircleCI**, and **Azure DevOps**, ensuring smooth continuous integration and delivery processes.
* **Expert in Agile** and **Scrum** methodologies, with deep involvement in sprint planning, user story analysis, test case development, and **Behavior-Driven Development (BDD)** approaches to ensure test cases align closely with business requirements.
* Extensive **Manual Testing** and **Automation Testing** experience across a wide variety of applications, including **Functional**, **System**, **Smoke**, **Regression**, **Integration**, **UAT**, and **Compatibility Testing**.
* Proficient in using bug tracking and project management tools such as **Jira**, **Azure DevOps**, and **Confluence** to report and track defects, collaborate with development teams, and manage test artifacts and documentation.
* Expertise in **Version Control** tools like **Git**, with experience in branching strategies, merging, and maintaining test code repositories in sync with development workflows.
* Strong skills in database testing and validation using **SQL**, **NoSQL**, **Oracle**, and **PostgreSQL**, writing complex queries to validate backend data consistency, integrity, and compliance.
* Proficient in creating and maintaining **Requirement Traceability Matrices (RTM)**, ensuring all requirements are covered and tested thoroughly, with experience delivering detailed **Test Assessment Reports**.
* Strong experience in coordinating and managing **distributed test teams** (onsite/offshore), providing test guidance, test strategy, and ensuring test execution meets timelines and quality standards.

**Professional Experience:**

**Charles Schwab, Austin, TX**

**SDET (Mobile and Web)**
*Feb 2022 – Present*

**Responsibilities:**

* **Performed manual and automated testing** of Mobile Applications across **iOS Simulators** and **Android emulators** using **Appium**, ensuring smooth functionality across platforms.
* Implemented a comprehensive mobile test automation framework using **Appium** for Android, integrated with **Jenkins** and **GitHub Actions** for continuous testing and deployment.
* **Developed test scripts** using **Core Java**, **Python**, and **TestNG**, leveraging **IntelliJ IDEA** and **Eclipse** to automate complex user scenarios and maintain modular and reusable automation code.
* Reviewed business requirements and technical specification documents, analyzed use cases and functional requirements, and translated them into detailed, well-structured **Test Cases**.
* Worked closely with **developers** and **business analysts** to define test scenarios, identify gaps, and ensure that all test requirements were fully covered, incorporating both **functional testing** and edge case analysis.
* Created and maintained a **robust automation test suite** using **Selenium WebDriver** and **Python** scripts, focusing on critical regression areas for both web and mobile interfaces.
* Configured and maintained the test environment using **Eclipse**, **IntelliJ**, **PyCharm**, **Selenium WebDriver**, and **Maven**, ensuring consistency in automation runs.
* Debugged and fixed issues in existing automation test scripts using **Java** and **Python**, maintaining regression suites for end-to-end testing across different environments.
* Integrated automation scripts into **CI/CD pipelines** using **Jenkins**, **GitHub Actions**, and **Azure DevOps**, with nightly execution to ensure early detection of issues and seamless deployments.
* Utilized modern **web-debugging tools** such as **Chrome DevTools**, **XPath**, and **Postman** for inspecting web elements, API requests, and backend validations.
* **Tested backend databases** by writing complex **SQL** and **Python** scripts for data validation and ensuring integrity of backend operations across different services.
* Automated testing of **backend microservices** and **APIs** using **RestAssured** (Java) and **PyTest** (Python), ensuring accurate API responses, proper data handling, and adherence to business logic.
* **Reported and tracked defects** using **JIRA**, collaborating with developers to resolve issues, retesting and validating fixed bugs, and tracking defect resolution progress.
* **Performed Smoke Testing** post-deployment and **System Integration Testing (SIT)** for every release, ensuring application functionality and stability.
* Prepared comprehensive **test data** covering multiple scenarios, validating database updates, inserts, and deletions using **SQL** and **Python** scripts.
* Actively participated in **Peer Reviews** for test cases, automated scripts, and test plans, ensuring collaboration and quality across the team.
* Participated in daily **stand-ups** and **defect triage meetings** in **Agile** environments to discuss progress, blockers, and testing challenges with cross-functional teams.

**Environment:**

Java, Python, Selenium WebDriver, TestNG, RestAssured, PyTest, REST API, Web Services, Maven, Eclipse IDE, IntelliJ IDEA, PyCharm, JIRA, SQL, NoSQL (MongoDB), JSON, XML, Jenkins, GitHub Actions, Docker, Kubernetes, AWS, Azure DevOps, MySQL, PostgreSQL, CICD, Cypress, Playwright, Appium, BrowserStack, Sauce Labs, Agile, BDD (Cucumber).

**Vida Health Care, San Francisco, CA**

**SDET**
*March 2020 – Jan 2022*

**Responsibilities:**

**Responsibilities:**

* **Prepared Test Plans**, Test Scripts, and Test Cases based on functional specifications and user requirements, ensuring that all testing was aligned with project needs.
* Developed and maintained automated regression test cases using **Selenium WebDriver**, **Java**, **Python**, and the **JUnit** and **PyTest** frameworks, ensuring broad test coverage across multiple environments.
* **Performed Data-Driven Testing** using **Selenium WebDriver**, **JUnit**, **PyTest**, and **JDBC Connections** to read data from property and XML files, enabling automated testing for various data inputs.
* Developed modular test code in **Java** and **Python** using **Eclipse IDE**, **PyCharm**, and the **JUnit** and **PyTest** frameworks, applying best practices for maintainable, reusable automation scripts.
* Integrated **WebDriver** projects with **Jenkins** and **GitHub Actions** for **Continuous Integration (CI)**, setting up nightly builds and automated tests, ensuring continuous feedback.
* Implemented the **Page Object Model (POM) Automation Framework** using **Java**, **Python**, **Selenium WebDriver**, and **Cucumber**, ensuring structured and easy-to-maintain automation code.
* **Integrated test suites into Jenkins** and **GitHub Actions**, allowing automated execution of tests after every successful deployment as part of the CI/CD pipeline.
* Designed test cases based on use-cases and complex business logic for each **web service** or **API**, ensuring full test coverage for functional and edge case scenarios.
* Executed test plans across **web** and **mobile platforms** (iOS and Android) using **Appium** and **Selenium**, ensuring compatibility and functionality across multiple devices.
* Gained hands-on experience with **load and performance testing** using **JMeter** and **Python-based performance tools** to evaluate application performance under stress.
* Developed **UAT Regression automation scripts** and functional testing frameworks for all modules using **Selenium WebDriver** and **Python**, ensuring the reliability of core functionalities.
* Created and managed test data, coordinating with other applications and systems for seamless testing across different release cycles, using **Python scripts** to handle dynamic data inputs.
* Used **XPath** and **DOM** for automating interaction with both dynamic and static web elements in **Selenium**, with Python scripts adding flexibility for complex scenarios.
* Conducted **Web Services testing** using **SOAP UI**, validating **SOAP** and **REST APIs** with both **Java** and **Python** for API test automation.
* Performed **Smoke**, **Functional**, **Integration**, **System**, and **Regression testing** using a combination of **Selenium**, **Python**, and **Java**-based tools to ensure system stability.
* Utilized **PyTest**, **Selenium**, and other test automation tools to automate test cases and generate reports, providing comprehensive test coverage.
* Tested **SOA-based applications** using **SOAP** and **REST APIs**, leveraging both **SOAP UI** and **Postman**, automating API tests with **Python** and **RestAssured** for seamless validation.
* Performed **Back-End Testing** using **SQL** and **Python scripts** to verify database updates, ensuring data integrity with complex queries and automated data checks.
* Used **Git** for version control and **GitHub** for collaboration, conducting code reviews through **Code Collaborator** and ensuring adherence to coding standards in both Java and Python projects.
* Adopted **Acceptance Test-Driven Development (ATDD)** methodologies using **Cucumber** and **Python**, contributing to faster and more reliable release cycles by aligning tests closely with business requirements.

**Environment:**

Java, Python, Selenium WebDriver, TestNG, PyTest, RestAssured, SOAP UI, Maven, Eclipse IDE, PyCharm, IntelliJ IDEA, JIRA, SQL, NoSQL (MongoDB), JSON, XML, Jenkins, GitHub Actions, Docker, Kubernetes, AWS, Azure DevOps, Appium (Android & iOS), MySQL, PostgreSQL, JMeter, Git, CICD, Cucumber, TDD, BDD, Agile.

**MUFG Union Bank, Los Angeles, CA**

**QA Automation Test Engineer**
*Feb 2019 – March 2020*

**Responsibilities:**

* Created scalable frameworks for **IVR applications** to accommodate changes in holidays and business requirements, ensuring flexibility and adaptability in automation scripts.
* Prepared and executed **Automation Test Scripts** using **Selenium WebDriver**, **TestNG**, **Maven**, and **Java**, maintaining high-quality automation standards.
* Performed distributed test automation execution using **Selenium Grid** and **Hudson/Jenkins** for a **Continuous Integration (CI)** process, enabling parallel testing across multiple environments.
* Conducted **GUI**, **functional**, **browser compatibility**, and **regression testing**, ensuring consistency across various platforms and browsers.
* Developed robust **Test Frameworks** in **Selenium** for **UI Regression Test Automation**, focusing on scalable and maintainable code structures.
* Configured **Selenium WebDriver** and created automation scripts using **Java** and **JUnit** for agile releases, ensuring efficient and timely test cycles.
* Executed test plans across **web** and **mobile platforms** (iOS and Android) using **Appium** and **Selenium**, ensuring cross-platform compatibility and performance.
* Experienced in **load and performance testing** using **JMeter** to simulate user load and identify potential performance bottlenecks.
* Verified **IoT gadgets' network registration** and functionality, ensuring they met operational standards and could communicate effectively.
* Executed **SQL queries** to verify data integrity, ensuring the backend systems were functioning as expected.
* Utilized **Jenkins** as the CI server to run automated test suites, integrating automated tests into a continuous delivery pipeline.
* Performed **Regression Testing** using **Selenium WebDriver** in multiple browsers and platforms, ensuring functionality across different environments.
* Tested **SOA-based applications** using **SOAP UI** and **WSDL**, validating web services for consistency and accuracy.
* Analyzed test results, tracked defects, and generated reports using **Quality Center**, ensuring clear communication of issues and test outcomes.

**Environment:**

Selenium WebDriver, Jenkins, Cucumber, SOAP UI, JMeter, Ant, Microsoft Test Manager (MTM), Team Foundation Server (TFS), IoT, JUnit, Quality Center, Eclipse, XPATH, Java, Python, HTML, CSS, Agile, GIT, SQL, Android, Oracle, Windows, GitHub Actions, Docker, Kubernetes, REST Assured.

**AT&T, Los Angeles, CA**

**QA Automation Test Engineer**
*Oct 2014 – Jan 2019*

**Responsibilities:**

* Ran **Automated Regression suites**, analyzed results, and logged bugs using **JIRA** and **Quality Center**.
* Developed and executed **Automation and Manual test cases** for **functional testing**, ensuring comprehensive test coverage for core functionalities.
* Assisted in preparing **test plans** based on business requirements and collaborated with developers and business analysts to ensure all test scenarios were accounted for.
* Conducted **functional testing** using **Selenium** and **API automation** frameworks with **REST Assured**, validating API responses and data handling.
* Ensured **mobile navigation** and **video streaming application testing** on multiple platforms (Windows Mobile and Android), providing smooth and consistent user experiences.
* Prepared **System** and **UAT Test Cases** and executed them using **HP Quality Center**, ensuring proper functionality and user acceptance before release.
* Performed **System**, **Manual**, **Functional**, **Regression**, **Integration**, and **Compatibility Testing**, ensuring the application met functional and performance requirements.
* Automated new features for external websites and executed automated scripts using **QTP** with **Data-Driven testing frameworks**, ensuring flexibility and adaptability in test coverage.
* Participated in **UAT** of applications, ensuring that they met user expectations and business requirements.

**Environment:**

Java, Selenium RC, Selenium IDE, Firebug, SQL, iOS, Mobile Testing, HP Quality Center, Oracle10g, Windows, JIRA, GitHub, REST Assured, Python, Docker, Kubernetes.