**Siddhartha Shetty**

Senior QA Automation Engineer

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| **PROFESSIONAL SUMMARY** |

**Senior QA Automation Engineer with 8 years of experience** in Software Quality Assurance, which includes experience in Automated web and API testing using **Selenium WebDriver, TestNG, Cucumber, Maven, SoapUI, and Jenkins**. Performed Testing using Test Planning, Test Cases, Test Execution, Defect reporting, Test Status Reporting, Test Closure Activities. Diversified experience in Automation, Manual testing methodologies, serving various domains such as **Insurance, Logistics, Healthcare and Marketing.**

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| **PROFESSIONAL EXPERIENCE** |

* Strong understanding of **Software Development Life Cycle (SDLC)** and **Test Development Life Cycle (TDLC)** including **Waterfall and Hybrid Agile** methodologies. Responsible for analyzing requirement specifications and developing **Test Objective, Strategies, procedures, and Test Matrices.**
* Proficient in creating Test strategy, Test plan, Test methodology, Test scenarios, Test summary reports, Test cases, and Test documents for both **automated and manual testing based on User requirements** and System requirement documents.
* Hands-on experience in Selenium Automation using **Selenium Web Driver, Selenium IDE, Java, TestNG,** and **Cucumber framework,** and **Page Object Model** design pattern.
* Experience in Test management, Bug Tracking, and Reporting using **HP ALM** and **Jira**.
* Developed Test Scripts to implement Test Cases, Test Scenarios, and features for **Behavior Driven Development** (BDD) using Cucumber.
* Proficient in grouping of Test Methods for **smoke, regression,** and **functional testing** using **TestNG** annotations like **Groups and Regular Expressions**.
* Skilled in writing Enhancement Documents for existing automation test suites.
* Well-versed in configuring application framework by processing **Excel spreadsheets** using **Apache POI**.
* Proficient in Database Testing using **SQL Queries** with **MySQL server**.
* Experience with **Cross-Browser and Compatibility Testing** to ensure web applications work as expected in different browsers and environments.
* Maintained **Selenium & Java automation code** and resources in source controls like GitHub for continuous improvement and new feature development.
* Generated test logs using **Log4j** for various log levels for clients.
* Familiar with **Maven build** tools for project structure, dependency management, and **Continuous Integration** (CI) using **Jenkins** build jobs.
* Created defect tracing matrixes like **Requirement Traceability Matrix (RTM)** for debugging and defect backward-tracing purposes.
* **Dynamic and assertive** team player with a strong inclination towards **process development** and **optimization**.

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| **CORE COMPETENCIES** |

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| Automation testingManual testingUnit testingIntegration testingSystem testingSmoke testingRegression testingUser Acceptance Testing (UAT)Cross Browser Testing  * Postman | Agile/Incremental ModelSoftware Development Life Cycle (SDLC)Software Testing Life Cycle (STLC)Behavioral Driven Development (BDD)Test Driven Development (TDD)Web / UI testing  * JMeter | Selenium IDE/WebDriverPage Object ModelTestNGCucumberGitLog4jMavenJenkinsSoapUIJiraAWS  * Rest assured |

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| **TECHNICAL SKILLS** |

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| **Test Approaches** | Hybrid Agile processes, Waterfall, Incremental development process, SDLC, STLC, Bug Life Cycle |
| **Testing Tools** | Selenium WebDriver, Appium, TestNG, Playwright |
| **Test Build& Integration Tools** | Jenkins, Maven, Docker |
| **Frameworks** | Test Driven, Behavioral Driven, Data Driven, TestNG, Cucumber, Junit, Rest Assured |
| **Programming Skills** | Core JAVA, Python, SQL, R |
| **Markup Languages** | HTML, XML |
| **Databases** | MySQL Server, Amazon RDS |
| **Cloud Technologies** | AWS EC2 |
| **IDE and Utilities** | Eclipse, IntelliJ, GIT, Firebug, Fire Path |
| **Browsers** | Google Chrome, Mozilla Firefox, Internet Explorer |
| **Operating Systems** | Windows 8/10/11, Mac OS |
| **Defect Tools** | Jira, HP ALM |
| **MS Office Tools** | Outlook, Word, Excel, PowerPoint, MS Access, Visio |

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| **WORK EXPERIENCE** |

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| **Client: MetLife Senior QA Automation Engineer**  **Location: New York, NY Feb 2022 to Present** |

**Project Description:**

MetLife is a large insurance company that offers a variety of insurance and financial products to its clients, including auto, home, and life insurance, as well as banking and investment services. In this project the responsibilities included dealing with testing the internal Insuranceapplication used by the agents and other users of MetLife to process customer claims.

**Responsibilities:**

* Recognized and classified the overall plan for **Test Scope**, **Test Strategy,** **High Level Document** and **Test Data** within the context area of each sprint.
* **Developed Test Automation Framework** using **Selenium WebDriver, TestNG, and Apache POI** in Java platform, incorporating industry-leading harness design patterns for efficient automation testing.
* Performed **Functional testing** as per user stories and also performed **Integration Testing** & **System Testing** on “Claims “filing pages using Selenium WebDriver.
* Well acquainted with various Selenium Locators like ID, name, Link Text, Partial Link Text, XPath, CSS, DOM for identifying correct GUI elements in creating automation scripts
* Used **Screenshots** for bug reporting, analysis and exception debugging using **Extent Reports** reporting library with TestNG.
* Proficient in handling **Dropdown**, **alerts**, **cookies**, **frames**, **pop ups** using **Selenium WebDriver**.
* Leveraged **Maven project** for structured coding, seamless management of dependencies, and seamless integration with continuous integration tools.
* Utilized **Git repository** for seamless remote team collaboration, **version control**, and storage of framework and test cases, ensuring smooth coordination and cooperation among team members.
* Conducted comprehensive **GUI validations** on various web elements including navigation bars, textboxes, radio buttons, combo boxes, and list boxes using **Selenium**, ensuring consistency and accuracy of the application's user interface.
* Organized locators of webpage elements using the **Page Object Model (POM)** design pattern, enhancing the maintainability and scalability of the automation framework.
* Well acquainted with Synchronization Techniques like **Implicit Wait**, **Explicit Wait** and **Fluent wait.**
* Leveraged **MySQL server** and **SQL queries** to fetch test data from the database and seamlessly used it in **Selenium code with JDBC connection**, ensuring accurate and data-driven testing.
* Performed extensive **testing of browser content** and compatibility on popular browsers such as **Chrome, Firefox, and Edge**, ensuring smooth performance and compatibility.
* Implemented special methods to **capture screenshots** of test method failures using the **ITestListener** interface, facilitating efficient and effective debugging of test failures.
* Experience testing **SOAP** and **REST Web services**.
* Utilized web developer tools such as **POSTMAN** to test the calls to the web services and check if correct details returned.
* Ran selenium tests on Virtual Machine of **AWS EC2** platform using **docker**.
* Implemented **continues integration (CICD)** to schedule smoke and regression test suites execution using Jenkins.
* Created **log files** for business flows with verification steps for clients using **log4j**, providing valuable insights and documentation for test results and reporting.
* Leveraged **centralized configuration files** for test data using property class, ensuring streamlined and **consistent management of test data** across the **automation framework**.

**Environment:** Selenium Web Driver, Java, HTML, CSS, X-path, Windows, MySQL Server, Maven, Git, TestNG, Junit, ITestListener, AWS EC2, log4j.

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| **Client: Oracle (Netsuite) QA Automation lead**  **Location: Boston, MA Oct 2019 to Jan 2022** |

**Project Description:**

Netsuite is a web-based supply chain management (SCM) software by oracle that helps optimize supply chain planning by leveraging data directly from the company’s ERP system. Performed UI and API testing of various dashboard elements to ensure accurate data analytics to end users.

**Responsibilities:**

* Demonstrated strong **leadership skills** as a QA Lead by assigning tasks, **monitoring project progress**, and providing regular updates to the Project Manager.
* Developed comprehensive **Test Plans** to ensure proper test coverage and efficient testing practices.
* Successfully implemented **Agile Scrum methodology** as the **SDLC mode**l for the project, ensuring timely and high-quality product delivery.
* Gained a thorough understanding of the **application** and existing **business processes** to facilitate effective testing practices.
* **As a QA Lead** ensured testability of feature code.
* Created automated test cases using **Rest Assured Framework** to validate the functionality of various **API endpoints**, reducing manual testing efforts.
* Validated **JSON** formatted data, different http status code like 200, 201, 400, 415, 500 etc.
* Able to validate the XML and Json body by using **Json parsers**.
* Verified integration of various components in applications and executed end-to-end testing.
* Leveraged **Selenium automation** tools to efficiently automate the application, enabling repetitive testing with greater **accuracy and efficiency**.
* Conducted diverse testing techniques, including **UI Testing, Regression Testing,** and **Integration Testing**, to ensure overall product quality.
* Took the **Application Screenshots** and copied the images whenever exceptions occurred and also at important checkpoints of application execution.
* Performed browser (Firefox, Chrome, and Safari) and platform **compatibility testing** in **virtual machine** environments using **Sauce Labs**.
* Strong experience with Version Control Systems **GIT**.
* Utilized **SQL queries** to perform **database backend testing**, ensuring that the data in the database was accurate and aligned with project requirements.
* Collaborated with the **Future Requirements team** to implement new requirements into the system, ensuring that the system remained up to date with evolving business needs.
* Conducted **browser compatibility testing** to ensure that applications worked correctly across multiple web browsers.
  + **Conducted API testing** using tools such as **Postman and SoapUI**, ensuring that the APIs met the defined specifications and standards.
  + Collaborated with the development team to **identify and prioritize defects**, ensuring timely resolution and delivery of high-quality software.
  + **Developed and executed load and stress testing** scenarios to evaluate the performance and **scalability of the APIs**, identifying potential bottlenecks and areas for improvement.

**Environment:** Java, Selenium WebDriver, Rest assured, testNG, SQL, Cucumber, Agile Scrum, Jenkins, Maven, Sauce Labs, Eclipse, JIRA, and Git.

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| **Client: Oak Street Health QA Engineer**  **Location: Chicago, IL June 2017 to Sep 2019** |

**Project Description:**

Oak Street Health is a healthcare company that focuses on providing high-quality primary care to seniors. This project involved recruiting new health clinics into Oak Street Health network, verifying all the necessary documents of insurance and authorization verification. Maintenance of credentialing databases online system ensuring timely renewal of license and certifications.

**Responsibilities:**

* Analyzed and reviewed Functional Design Documents to understand business requirements.
* Analyzed and reviewed Technical Design Documents, translating functional design and technical specifications into high-level scenarios.
* Created test scripts using Selenium WebDriver (Java), TestNG, and Cucumber.
* Created and maintained Feature files, Step Definition files, and Runner classes for Cucumber automation testing.
* Utilized the Page Object Model design pattern for efficient organization of locators of webpage elements.
* Created detailed QA and UAT (User Acceptance Testing) cases to validate application quality.
* Developed Data Driven, Keyword Driven, and Hybrid Automation Frameworks using Selenium.
* Used Behavior Driven Development (BDD) approach for test automation.
* Participated in daily standup, sprint planning, sprint review, and sprint retrospection meetings.
* Created and executed mobile automation test suites for functional, regression, and compatibility testing.
* Performed mobile app testing for various features including GPS, camera, and push notifications.
* Wrote Selenium scripts for capturing screenshots in case of test method failures.
* Configured Jenkins Build jobs for continuous integration and regression testing.
* Used Maven build tools to manage framework dependency jar files.
* Assessed, resolved, and documented issues in the test environment, ensuring high-quality final product before deployment to the Stage environment.
* Analyzed test results, tracked software defects in JIRA, and interacted with developers to resolve technical issues.
* Performed regression testing, rollout planning, solution release, and post-release production maintenance activities.
* Assisted in training and orientation of other staff and end users.

**Environment:** Java, Selenium WebDriver, testNG, Cucumber, Agile Scrum, Jenkins, Maven, Eclipse, JIRA and Git.

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| **Client: EchoVME Quality Analyst**  **Location: Chennai, India Sept 2015 to April 2017** |

**Project Description:**

EchoVME is a digital marketing company which provides services in various areas like social media and digital marketing, search engine optimization, big data analytics etc. It has several internal applications which deal with providing digital marketing services to hundreds of clients across different geographical locations.

**Responsibilities:**

* Analyzed system requirements to gain a comprehensive understanding of the application.
* Prepared test scenarios and test cases for functional requirements using Excel.
* Provided review comments on test plans, test strategy, and existing test scenarios and test cases.
* Exported manual test cases from MS Excel to HP ALM and executed them with pass/fail status.
* Prepared requirement traceability matrix to aid in defect debugging.
* Conducted system testing to validate the requirements.
* Performed user acceptance testing (UAT) and regression testing using UAT scenarios.
* Identified and reported defects, validated fixes, and repeated the process until resolved.
* Conducted end-to-end, regression, and re-testing manually.
* Identified defect clustering in modules and prioritized them.
* Evaluated and suggested improvements to the software testing process.
* Coordinated efforts between development teams and offshore enterprise test team.
* Monitored testing activities within the team and provided regular progress reports to the Test Lead.
* Implemented testing approaches to accommodate tight schedules and resource constraints, including risk-based analysis for test coverage determination.
* Attended project domain and internal project functionality training sessions.
* Responsible for updating and maintaining HP ALM for all defects found during functional and regression testing, following the bug life cycle.
* Collaborated closely with cross-functional teams to ensure successful, high-quality incremental releases.
* Participated in walkthroughs and defect report meetings on a periodic basis.
* Summarized test results as per customer standards.
* Interacted with developers and various project team members to discuss and resolve defects and determine their priorities.

**Environment:** Manual Testing, Quality Center, Incremental Development Process, Windows, MS Excel, Internet Explorer