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| **Sunil Nunavath**  **Lead QA Manual & Automation Test Engineer**  ✆ **+1 7347157566**  [suniljadhavn121@gmail.com](mailto:%20%20suniljadhavn121@gmail.com)  <https://www.linkedin.com/in/sunil-nunavath8/> |

**PROFESSIONAL SUMMARY:**

* **10 years of experience in Lead Software Designing, Development, and Quality Testing and proficient in performing Manual and Automated Testing on Web-Based and Client-Server Applications using Java and Selenium.**
* **Worked on Payments, E-commerce, health care, Banking, Insurance, and various Fiserv domains.**
* Experience in all phases of the **Software Testing Life Cycle (STLC)**, **Software Development Life Cycle (SDLC), Bug Life Cycle**, and methods like Waterfall and Agile.
* **E**xpert Knowledge in Testing Payment Merchant gateways such as **Pay flow, Authorize.Net, Trust Commerce, Elavon**, etc.
* Experience in Testing **Payment Devices** Such as **Magtek DynaPad, DynaPro,** and **Ingenico Lane Devices.**
* Handled **API integration test automation** with API integration, Automation, and Testing on various scales for the highest Efficiency and Coverage
* Experience with **Apple Pay** and **Google Pay** Testing.
* Expertise in **Feasibility Study**, **Functional Test Planning**, **Test Cases Design, Test Environment Setup, Test Data Setup**, **Defect Management, Requirements Analysis and Gathering (RTM), Gap Analysis,** and **functional training.**
* Experience in testing **POS** Modules such as **Inventory Management Module, Warehouse Management Module, Purchase Order Management Module, and Payment Management Module**.
* Experience in **System Testing, Integration Testing, Regression Testing, Smoke Testing, Sanity Testing, Data Driven Testing, User Acceptance** and **Functional Testing**.
* Extensively used Selenium **(XPath and CSS locators**) to test the web application.
* Experience building and maintaining **DevOps** pipelines in **GitLab,** **Docker containers**, **orchestration frameworks,** and **databases.**
* Experience in Testing Tools like **UFT, HP ALM, Zephyr, Jira, Perfecto, SoapUI, Postman, Test rail, Android Studio, Appium, Selenium,** and **Rest Assured.**
* Good knowledge of using repositories **Bitbucket/ Stash and GIT.**
* Integrated **Serenity BDD** with popular testing frameworks such as **JUnit or TestNG** to leverage their capabilities for test execution, parameterization, and parallelization, maximizing testing efficiency and scalability.
* Extended **Serenity BDD's functionality** through custom plugins and extensions to address specific testing requirements or integrate with third-party tools and services, enhancing the flexibility and extensibility of the test automation framework.
* **Implemented Serenity BDD's tagging and filtering capabilities** to organize and manage test suites efficiently, enabling selective execution of tests based on user-defined criteria such as priority, category, or environment.
* Proficient in working with **Appium** and writing **mobile** **automation** scripts for **iOS** and **Android**.
* Created and executed **JMeter** scripts for performance monitoring and testing of the portal.
* Experience in working with **Jira and TestRail, Microsoft Power Apps.**
* Experience in **Bug** **lifecycle**/ **Defect** **tracking**, **System** **integration**/**Smoke**/**Regression**/**UAT** level Testing.
* Configure and monitor **CI/CD** using **Azure** **DevOps**, and **Jenkins**, per project needs.
* Experience in testing API with **Postman** with **GET**, **POST, PUT, PATCH,** and **DELETE** **HTTP** methods.
* Experience with API testing with different security mechanisms like **Basic Auth, Oauth2,** and **Key Based** Authentication.
* Strong knowledge in web services testing using **SOAP UI**, **Restful Web Services,** and **WSDL.**
* Experience in Databases/Backend Testing – **DB Visualizer, Oracle, TOAD,** and **SQL.**
* **TECHNICAL SKILLS**

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| Languages | JAVA, SQL, PLSQL, JavaScript, Python |
| Testing Tools | Selenium Web Driver/IDE/GRID, JUnit, TestNG, Cucumber, Firebug, FirePath, SOAPUI, Postman, Rest Assured, Appium, Cypress, Karate, Zephyr, Jasmine, JMeter |
| Web Services | SOAP, REST, REST API |
| Application/  Web Servers | Apache Tomcat 9.x, JBoss |
| Methodologies | Agile, Scrum, Java Design Patterns, Kanban, Waterfall |
| Build Tools | Jenkins, Docker, Azure, AWS, Maven, CI/CD |
| Web Technologies | HTML5, AJAX, XML, JSON, jQuery, JavaScript ES6, CSS3, Angular JS, Angular 6/7, Node JS, React JS, JSF, JSTL, DOM, JAXB, JAXP |
| IDE Tools | Eclipse, STS |
| Bug Tracking Tools | Jira, Bugzilla |
| AWS | EC2, RDS, S3, ELB, Lambda, Device Farm, Kinesis |
| Azure | Virtual Machines, Functions, Application Insights, SQL, Pipelines, File, DevTest Labs, Logic Apps, DevOps Test Hub, Test Plans |
| Databases/API | Oracle, SQL, PLSQL, NoSQL, DB Visualizer, MongoDB, MySQL, MS Access, MS SQL Server, Toad, Postman, Triggers, View, Criteria |
| Operating Systems | UNIX/Linux, Windows |
| Data Modeling | Microsoft Visio, Rational Rose, UML Design |
| Versioning Tools | GIT, SVN |
| Development Tools | Ant, Maven, Junit |

**PROFESSIONAL EXPERIENCE:**

**Huntington Bank November 2021 – May 2024**

**Bloomfield Hills MI, USA**

**Role: Lead QA Engineer (API, UI, ETL, Manual, and Automation Testing)**

**Responsibilities:**

* Extensively involved in all stages of the **Software Testing Life Cycle (STLC) and Software Development Engineer in Test (SDET) using Agile** methodologies.
* Expert knowledge in **Point of Sales (POS) Device Testing for POS Devices** for the models **Square and LightSpeed.**
* Expert knowledge in Testing **Payment Merchant Gateways** such as **PayFlow, Authorize.Net, Trust Commerce, Elavon,** etc.
* Expert knowledge in Testing **Payment Devices** such as **Magtek, DynaPad, DynaPro, and Ingenico.**
* Expert knowledge in Testing **Mobile** **Payment Applications** such as **GPay, ApplePay, and PayPal.**
* Developing **BDD/TDD** framework based on the testing requirement for the software.
* Worked on **Cucumber** framework with **Web Controls,** creation of **Feature Files, Step Definitions, and reusable methods.**

 Developed and executed test plans and test cases for various payment card features including authorization, settlement, and fraud detection.

 Collaborated with cross-functional teams including developers, product managers, and business analysts to identify and address issues related to payment card functionality.

 Utilized testing tools such as Selenium and JMeter to automate test cases and streamline the testing process.

 Investigated and reported defects found during testing, ensuring timely resolution and maintaining thorough documentation.

* Participated in the review and improvement of payment card system requirements and specifications to enhance overall product quality.
* Collaborated with cross-functional teams to develop and maintain **automated test suites in Serenity BDD framework**, ensuring comprehensive test coverage across all layers of the application.
* Conducted UI testing for **Android applications** using **Espresso testing framework,** ensuring robustness and reliability.
* **Led onsite and offshore QA teams**, facilitating knowledge transfer sessions and bridging knowledge gaps to ensure seamless collaboration.
* Developed and executed automated **API tests for Salesforce integrations**, **using tools like SOAP UI and Ready API** to ensure seamless data exchange and interaction.
* Designed and enhanced test automation **frameworks tailored for Salesforce applications, leveraging tools like Selenium WebDriver, Cypress**, and other open-source tools
* Demonstrated **proficiency in team leadership and mentorship, optimizing productivity and minimizing schedule variations and defect rejection rates**.
* **Planned, scheduled, and executed testing activities** across various project stages to ensure timely and high-quality deliverables.
* Configured **Playwright to capture screenshots and videos during test execution**, providing visual documentation of test results and facilitating debugging and analysis.
* Integrated **Playwright test suites with CI/CD pipelines**, enabled automated testing in software development lifecycle to configure build servers, trigger test executions, and reporting test results Used **Selenium Web Driver** for automating **Cross-Browser Testing** on **Edge, Google Chrome, Firefox, Internet Explorer, and Safari.**
* Developed automation scripts using **Java, Python, Selenium** **Web Driver, Eclipse, and TestNG**.
* Configured **performance testing tools such as JMeter, Gatling, or LoadRunner** to simulate user interactions and measure system response time
* Implemented a **Simulator for Mobile App Testing** (iOS, Android, and Windows) using Appium Tool.
* Designed **performance test scenarios** based on user workflows, expected load, and system architecture.
* Efficient management of **Azure DevOps (ADO**) for assigning **User Stories, creating sub-tasks, and updating sprint boards.**
* Configured **real-time monitoring and alerts in Dynatrace** to proactively identify and address performance issues, ensuring high availability and reliability of applications.
* Used **Maven** for building **Web Driver** projects and integrated with Continuous Integration - Continuous Deployment **(CI/CD) tool - Jenkins** for running tests on a nightly basis.
* Developed **BDD Tests** using **Cucumber** by writing **Scenarios and Step Definitions in Java.**
* **Utilized Kotlin's interoperability with Java** to seamlessly integrate new features into existing projects.
* **Integrated Rest Assured tests into continuous integration pipelines using tools such as Jenkins or Azure DevOps,** enabling automated regression testing as part of the build process.
* Generating detailed reports of the **Bugs and test Execution summary reports.**
* Used **Page Object Model, Excel, Selenium, and Xpath locators** as a part of Framework.
* Utilized **Kafka for testing** messaging protocols, including message queuing, delivery, and processing.
* Developed and executed **SQL queries** to verify the proper **insertion, deletion, and updating** into the Oracle supporting tables and cubes.
* Skilled in setting up **Kafka clusters, topics, partitions, and brokers** for testing various use cases and scenarios.
* Managed device configurations and **test environments on Perfecto's platform**, ensuring availability and readiness of devices for testing activities
* Prepared the **Test Plan and Testing strategies for Data Warehousing Application.**
* Developed **ETL Test Scripts** based on **Technical Specifications/ Data Design documents and Source to Target Mapping**
* Optimized **Cosmos DB performance** by fine-tuning throughput provisioning, indexing policies, and query optimization techniques, resulting in a **significant reduction in query latency and improved application responsiveness**.
* Adept in designing and executing comprehensive **API integration test suites** using industry-standard tools like **Postman** and **REST Assured**, ensuring seamless communication and reliability among diverse software components
* Performed **testing for security** checks with the help of **Postman** and **JMeter.**

**Environment:** Java, Selenium, JMeter, SoapUI, TestNG, BrowserStack, Postman, Cucumber, Rest Assured, Oracle, SQL, NoSQL, MongoDB, Cassandra

**Lowe's January 2020 - October 2021**

**Atlanta, GA, US**

**Role: Lead QA Engineer (API, UI, ETL, Manual, and Automation Testing)**

**Responsibilities:**

* Implemented extensive **Mobile and User Interface (UI) Testing** on the Website and Mobile Apps (iOS, Android, and Windows) using **SmartBear, BrowserStack, Appium Tools, and Real Mobile Devices.**
* Worked on creating a test case for an Object-driven framework for **Selenium Web Driver**.
* Developed automation scripts using **Python**, Selenium **Web Driver, Eclipse, TestNG, and Java**.
* Developed and maintained automated test scripts using **Espresso** to validate UI components, **user interactions,** and application flows.
* Designed, developed, executed, and analyzed **performance tests using LoadRunner** to assess the scalability, reliability, and responsiveness of web and mobile applications under various load conditions.
* Conducted extensive testing of **Salesforce applications on the cloud, ensuring high standards of functionality, performance, and reliability.**
* Assisting in creating and maintaining an automation framework comprising **Java Selenium and Cucumber.**
* Developed **BDD Tests** using **Cucumber** by writing **Scenarios and Step Definitions in Java.**
* Written Automation Test Scripts in **Gherkin** to execute in **Cucumber.**
* Utilize tools such as **SOAPUI**, **Postman**, and **Swagger** for **API** **testing** and **validation**.
* **Designed and implemented database schemas in PostgreSQL** to efficiently store and manage data for software applications, ensuring data integrity, performance, and scalability.
* Utilized **Amazon Web Services (AWS) to create and manage cloud resources for test environments** and automation pipelines.
* Developed and maintained **automated test scripts using Katalon Studio, covering functional, regression, and end-to-end testing for web and mobile applications**.
* Designed and executed end-to-end **testing strategies** for **web applications**, ensuring optimal performance, security, and user experience through automated testing using **Cypress**.
* Designed end-to-end test automation suites for Complex Web Applications using **Playwright** across browsers like **Chrome, Firefox, WebKit and Implemented Page Object Model design patterns** for abstraction and improved maintainability of test scripts written in JavaScript using **Playwright**.
* Experience in designing and executing test scenarios to **validate Kafka message** delivery, ordering, and fault tolerance.
* Implemented **Automated execution of tests** (nightly and need-based) using **Maven and Jenkins**
* 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.**
* **Expertise in Windows-based scripting languages to develop robust automation frameworks from scratch for POS/Retail applications.**
* Involved in writing unique **XPath using firebug and FirePath** to identify web elements to enhance the efficiency and accuracy of **automated testing scripts** for web applications.
* Conducted **Smoke testing, Functional testing, UAT testing,** and **Sanity testing.**
* **Extracted data** from various sources like **Oracle, Flat Files, and SQL Server** by using SQL Queries**.**
* Tested the **ETL Process** to push the transactional data from the **normalized data structure into Data Marts.**
* Created **SQL** scripts to verify **data** during the **extraction phase**, ensuring the accuracy of **data transformation** and **loading** phases while validating compliance with **ETL mapping rules**.
* Extensively interacted with the **Business Team, Development Team, and End Users** to test according to their requirements.
* Integrated complementary tools such as **Cucumber, Maven, Gitlab CI, Jenkins, and various scripting languages like PowerShell, WSH, Python, and JavaScript** to enhance automation capabilities.

**Environment:** REST, REST API, JavaScript, Selenium, Cucumber, jQuery, JSP, Angular JS, SOAP, Microservices, Maven, GIT, Log4J, Agile methodology, Linux

**CVS Health June 2018 – December 2019**

**Tallahasse, FL, USA**

**Role: System Analyst (Senior QA Manual and Automation Engineer)**

**Responsibilities:**

* Extensively involved in all stages of **Software** **testing life cycle (STLC), Software Development Life cycle** (SDLC), and **Software Development Engineer in Test (SDET**) using Waterfall, and Agile methodologies.
* Created **flowcharts**, **screen layouts**, **Test Documentation, and Test Plans**
* Involved in **HIPAA/EDI Medical Claims Analysis, Design, Implementation,** and **Documentation.**
* Involved in preparing the **Test Scenarios for Health Care Claim Payment/Advice.**
* Experienced in building automated **UI tests, testing objects, performing verification, and handling errors using Test-Complete.**
* Extensively worked on **JMeter** to create Thread Groups and test Web Applications for various loads on key business process scenarios.
* Created basic test plan cases for our QA automation team using **TestRail for the JIRA Cloud application** and connected test scripts to Jira with **Test-Complete**.
* Demonstrated proficiency in testing **Salesforce applications, including configuration**, customization, and integration aspects.
* Played a key role in **integrating Tosca** seamlessly with a range of development and **testing tools such as Jira, Git, Jenkins, and Selenium,** streamlining the continuous integration and delivery pipelines and enhancing overall efficiency
* Utilized **Tosca Automation Tool to design, develop, and execute automated test scripts** for functional, regression, and end-to-end testing of web and desktop applications.
* Conducted **regression testing on new releases and patches for the nCino application**, ensuring backward compatibility and stability across different versions of the software.
* Experience with AWS services like **EC2, RDS, S3, ELB, Lambda, Device Farm, and Kinesis.**
* Implemented security measures such as role-based **access control (RBAC), encryption at rest**, and network security policies to safeguard sensitive data stored **in Cosmos DB** and ensure compliance with industry regulations.
* Performed execution and logging defects in Quality Center and **Verification of defects for System Testing.**
* Experienced in implementing **Cypress** for web application testing and designing **test suites** for **customer web portals**.
* Conducted Smoke testing, **Functional testing, Regression testing, Product testing, User Acceptance Testing (UAT), and Data validation testing.**
* Used **Playwright** for designing and implementing end-to-end test suites that cover various aspects of web applications, including functional testing, UI testing, cross-browser testing, and performance testing
* Used **Page Object Model, UI Mapping, Selenium Manager, Behavior Driven using Cucumber, CSS Selectors** as a part of Framework.
* Implemented simulator for mobile app testing in **IOS and Android platforms using Appium Tool.**

**Environment:** REST API, Micro Services, Docker, Kubernetes, Apache Tomcat, Maven, Web sphere, SAAS, Eclipse IDE, , JMS, LDAP, Clear Case.

**State Farm October 2015 - June 2018**

**Bloomington, Illinois, US**

**Role: QA Engineer (Manual and Automation Testing)**

**Responsibilities:**

* Worked in an **Agile** environment, and actively participated in **sprint** plan meetings, daily **stand-up** meetings, sprint **review** meetings, and **retrospective** meetings.
* Involved in preparing **test plans, test cases**, **security checks,** and **test data** for all stories in the sprint.
* Gave sprint **demos** to the **product owner, and stakeholders/business team** at the end of each sprint and each PI.
* Hands-on experience in **writing core Java to access data from outsourced files and using OOP** concepts in developing the **Selenium** framework.
* Performed **API functional testing** using **Postman.**
* **Automated API regression testing** with **HTTP Client, TestNG, and Java.**
* Developed interactive and responsive user interfaces using **React library, leveraging components, props, and state management** to create dynamic and engaging web applications.
* Implemented **React's virtual DOM** to optimize rendering performance and improve user experience by minimizing DOM manipulation and efficiently updating UI components.
* Leveraged **Nightwatch.js** to test asynchronous operations such as **AJAX requests, dynamic content loading, and page transitions, ensuring that test scripts** could handle and wait for asynchronous events to complete before proceeding with assertions.
* **Utilized GitHub as a version control system to manage and track changes to source code**, collaborating with team members and contributors on software development projects.
* **Created and managed Git repositories on GitHub,** organizing project files, documentation, and other assets in a centralized and accessible location.
* Thorough experience in **implementing** **Automation Tools Selenium** **WebDriver, JUnit, TestNG, CI/CD Eclipse, Git/GitHub, Jenkins, and SOAP UI.**
* **Configured and monitored CI/CD pipelines** using **AWS** services for testing, ensuring efficient and reliable automated testing and deployment processes.
* Generated **HTML test reports** using **Maven and TestNG.**
* Experience in **defect** **logging, tracking**, and **monitoring using Jira.**
* Wrote **SQL queries for backend testing**.
* Implemented **CI/CD using Jenkins.**

**Environment:** Selenium, Postman, TestNG, Java, Selenium WebDriver, Junit, Eclipse, Git, GitHub, Jenkins, SOAP, REST, Apache POI, HTML, Maven, Log4J, SQL

**ADP Bangalore May 2013- September 2015 Bangalore IN**

**Role: QA Analyst (Manual and Automation Testing)**

**Responsibilities:**

* Reviewed the **Use Case Requirements, Functional Design Documents, and Technical Specifications Documents.**
* Used **Selenium IDE for Open-source web testing.**
* Leveraged core **Java** skills to access data from outsourced files and applied **Object-Oriented Programming (OOP)** concepts to develop an efficient **Selenium automation framework** tailored to **requirements** for the e-commerce platform
* Utilized **SQL queries** for **backend testing**, ensuring the **integrity of data in** applications.
* Used **Selenium IDE for web testing.**
* Hands-on experience with **API** **testing** tools like **SOAP UI**, **Postman**, and **Swagger.**
* Involved in the creation of an **Automation test framework using Selenium.**
* Used Firebug Tool to identify the **Object's ID, Name, XPath, and link** in the application.
* Involved in testing **Web Services and XML using SOAPUI**
* Developed the **Automation Test Scripts using Java and execution using Selenium.**
* Involved in executing all **Selenium Test Scripts** on the different browsers and checked for compatibility.
* Executed **Test Cases and test Plans and Analyzed the Test Results**.
* Developed the **Positive and Negative Test Cases** for various modules based on the business requirements.
* Performed **Manual Testing** on different Modules of the Application**.** .
* Execution ofdaily **Smoke Tests** to ensure the deployment of each environment is stable and Performed **Load and Stress Testing using JMeter.**

**Education : BTech – CSE - Hindustan University - 2013**