**Lakshman Kumar N**

**Lead QA Manual and Automation Test Engineer**

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**Available to work immediately and willing to relocate across US on day 1. Only C2C roles**

**SUMMARY**

* 10 years of experience in Software Testing, **Software Release Management** and **Quality Improvement Processes.**
* Worked in various domains such as **Insurance, Healthcare, Retail, E-commerce** and **Finance**.
* Proficient in complete testing process of a given software application for different software releases, includes creation of test plans, test cases/test scripts by maintaining Quality procedures and standards to meet client's requirements and expectations. Strong expertise in **Agile** with **SCRUM** lifecycles.
* Proficient knowledge in various types of software Testing such as Usability Testing (UT), **Smoke Testing, Sanity Testing**, **Positive and Negative Testing**, **Data Driven Testing**, **Regression Testing**, Unit Testing, **black box testing**, **white box testing** and **Integrated Testing**.
* Good experience in Shell Scripting's Server, Unix and Linux, Open stack and Expertise Python scripting with focus on Devops tools, CI/CD and AWS Cloud Architecture.
* Experience in performance test script creating, execution and trouble Shooting using tools such as **LoadRunner**, **JMeter, Selenium, Appium** and **LoadUI.**
* Expertise in Defect Management/ Problem solving including **tracking bugs**, reporting using Rally, **JIRA**, Quality Center and **Bugzilla**.
* Professional in designing, developing and enhancing automated test scripts for Selenium using Python.
* Proven ability in developing **BDD** scripts with **Cucumber** and writing step definitions, features in **Gherkin**.
* Expertise in developing **Test Cases**, **Test Plan** and writing Automation test scripts **UI Testing** using **Selenium**, **Cucumber BDD,** API testing using **Rest Assured**, **Karate**, Mobile testingusing **Appium** with Protractor, **Continuous Integration** using **Jenkins** & current **QA methodologies**.
* Experience in Web Technologies: **HTML**, **CSS**, **JavaScript**, **XPath**, XML, **Java**, J2EE, Log4j, Fire Path, Firebug, **TestNG** and **Junit** Technologies.
* Experience in Automation tools such as **Cypress**, **Selenium Server** **Selenium web Driver**, **Selenium Grid,** Selenium RC, **Cucumber** and worked on **Multiple browsers** like Edge, Firefox, Safari and Chrome.
* Used various Selenium Locators like ID, name, Link Text, Partial Link Text, XPath, CSS for identifying correct **GUI elements** in creating automation scripts.
* Inculcated **Apache POI API** with **Selenium WebDriver** to read and write data from Microsoft Excel.
* Maintained the **Selenium JAVA** automation code and resources in source controls like **CVS, SVN, GIT** over the time for improvements and new features and resolved conflicts while merging source code to trunk or with other branches in the same.
* Experience with execution of test plans for both manual and automated testing of gateway features.
* Actively involved in Designing, implementing testing frameworks **Keyword Driven**, **Data Driven**, Hybrid, **Page Object Model** (POM)and **BDD** using Selenium.
* Interpreted and converted manual test cases into automation **Smoke** and **Regression** Suites in **Selenium Web driver** in Java.
* Executed automation scripts on different browsers/environments by executing tests in parallel through **Selenium Grid**, for **cloud testing** used **Sauce Labs** and reported defects/results to the team.
* Experience in mobile testing Automation using **Appium Desktop**, **Android**.
* Used **Appium** for testing native, hybrid and **web mobile applications** on Real Devices and Emulators. Tested Mobile Apps on Android and IOS.
* Worked on various open-source tools such as **JAVA**, **JSON**, **Jenkins**, **Maven**, **JUnit**, **SoapUI**, **Postman**, **Rest Assured**, **JIRA**, and **SQL**.
* Proficient in Defect analysis, performing Verification using walkthroughs, reviews, inspections also performed Validation activities using **Smoke, Regression, Functional, Systems and UAT testing**.
* Possess the expert level of understanding of **WSDL**, **WADL**, **XSD**, **Schema**, **DTD**, and **XML** documents for **Web Services Testing** (API Testing) using **SoapUI**, Java **JSON**, **Postman**, **Rest Assured**.
* Utilized **SQL** for test setup and data validation on **Oracle**, **SQL Server** databases also handled the tasks of designing and managing **SQL** Queries, **Stored Procedure's** and cursors and performed Database testing.
* Experience in **AWS service**s such as **S3, EC2**, **AWS Lambda** and **VPC.**
* Testing experience on **Microsoft Azure cloud**, **configuring Azure cloud** with **network configuration**.
* Experience in using **Git repository** and **Git Hub** for source code management and version controlling.
* Collaborated closely with Developers and **DevOps** teams to ensure the smooth integration of automated testing scripts with **CI/CD pipelines**.
* Expertise in developing automated testing suites and scripts that integrate seamlessly with **Git, Docker** and **Jenkins**, ensuring efficient **Continuous Integration (CI)** and enhancing software development and testing process.
* Developed critical metrics for effectively measuring and managing test deliverables and processes.
* Experience in **Requirement analysis**, **Project effort estimation**, **Resource planning**, **monitoring** the progress of the activities and **application reviewing**.
* Expertise in using different Navigation Commands and managing web-based popups using Alerts.
* Possess qualitative experience in testing on Service Oriented Architecture **(SOA Testing)** and JUnit testing, along with providing technical support assistance to developers in troubleshooting.
* Established working rapport with business partners to take a more **ATDD** approach. 100% Automation of Business Scenarios-Decreasing testing time significantly.
* Involved in End-to-End Testing of **Angular** application using **Protractor**, **Jasmine**, **Mocha**, **Chai** and **Karma**.
* Strong understanding of **TestNG Data Provider** annotation to configure multiple datasets to implement **Data Driven Testing** in WebDriver.
* Produced Quality Center and Excel metrics/reports from scheduled execution test run.
* Delivered thorough QA testing reports that determined product quality and release readiness using **TestNG** and **JUnit reporting**.
* Reviewed and transformed Business and User Story requirement **documentation** and created **wireframes** for **stakeholder** approval.
* I traced Requirements throughout the development process and verifying adherence using the **Requirement Traceability Matrix (RTM).**
* Ability to work under tight deadlines and rapidly changing priorities and handle multiple projects simultaneously with a limited timeframe release cycle.

**TECHNICAL SKILLS**

**Test Approaches:** SDLC, STLC, Bug Life Cycle, Waterfall, Agile/Scrum Testing Tools Selenium WebDriver, Selenium IDE, Selenium Server, Selenium Grid, TestNG, JUnit, Cucumber, Protractor, Jasmine, Mocha, Chai, Karma, SoapUI, Postman, Groovy, Rest Assured, QC, Appium, Android, IOS, Appium Desktop

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| --- | --- |
| Test Build& Integration Tools | ANT, Build Tools Jenkins, Docker, CI/CD, Azure, AWS, Maven, Azure DevOps, Selenium Web Driver/RC/IDE/Grid, Quick Test Pro (QTP/UFT), IOT, Testing Rally, Protractor, Swagger, Gradle, Groovy, Zephyr, Hudson, Cypress, Rest Assured, Postman, Soap UI. |
| Frameworks | Cucumber, Data Driven, Keyword Driven, Hybrid, Page Object Model (POM) |
| Programming Tools | JAVA, JavaScript, Angular JS, VB Script, Gherkin, SQL, C, C++, UNIX Basics, SQL scripting, VB Script |
| Web Technologies | HTML, AJAX, XML, Json, jQuery, JavaScript ES6, CSS, Angular JS, Angular, Node JS, React JS, JSF, JSTL, DOM, JAXB and JAXP. |
| Databases | MySQL, Oracle, SQL Server, PLSQL, NoSQL, DB Visualizer, MONGODB, MS Access, MS SQL Server, Triggers, View, Criteria and Toad, Postman |
| Browsers | Internet Explorer, Mozilla Firefox, Google Chrome, Safari, Opera |
| Defect Tracking Tools | Quality Center (9, 10, 11.0), HP Quality Center, Bugzilla, JIRA, Team Foundation Server (TFS 2008, 2010, 2012). |
| ETL Tools / UML Tools | Informatica, Autosys, MS Visio, MS Project, UML |
| AWS | EC2, RDS, S3, ELB |
| Versioning Tools/ IDE/ OS | GIT, SVN, Eclipse 3.3,3.4,3.5, NetBeans 6.0, IntelliJ, UNIX/Linux, Windows, IBM Rational Application Developer (RAD 6.0,7.0,7.5), Windows 2003 Server, UNIX, Windows XP/Vista/7/8, MAC OS X. |
| Testing tools | Selenium Web Driver/IDE/GRID, JUnit, TestNG, Cucumber, Firebug, Fire Path, SOAPUI, Postman, Rest Assured, Jasmine, Karate, Cypress, Perfecto Mobile, Appium, Zephyr. |
| Big Data Tools | Hadoop, Hive, Spark |

**PROFESSIONAL EXPERIENCE**

**Lead Software Development Engineer in Test (SDET)/QA Automation**

**Fifth Third Bank, Cincinnati, Ohio**   **Sept 2022 to Present**

**Responsibilities:**

* Primary duties include **System**, **Integration**, **Regression** and Data testing for D2L (Desire to Learn) application in an **Agile development environment**, to include execution, **defect tracking**, **reporting** and test team coordination.
* Secondary duties Process **Integration/Interaction**, **JIRA project setup** and maintenance (import test cases, create test cycles, execution, dashboard reporting) and interfacing directly with the end client
* Worked closely with Product team, **Designers** and Developers to ensure application development meets requirements & **user's expectations**.
* Analyzed the Business Requirement Document (**BRD**)and Functional Specification documents (**FSD**)to prepare Test Cases based on the Test Plan and Use Cases and attended Reviews meetings to better understand the applications.
* Responsible for developing and executing detailed, comprehensive and well-structured test plans and test cases for Healthcare Management and Reporting Softwares, ETL and Reporting applications..
* Analyze Business Requirements of ETL structural mapping of source and target towards creating test cases to perform data integrity, functional and regression for Reporting and ETL testing.
* Automated testing **gateway** functionalities using industry-standard tool, such as Selenium and custom automation frameworks.
* Generated test reports and logs using **Katalon's** reporting capabilities.
* Integrated **Katalon** Studio with **CI/CD** pipelines using **Jenkins** to automate test execution.
* Performed end-to-end testing of **Talend** **ETL** jobs to ensure data accuracy, completeness, and reliability.
* Continuously expanded proficiency in testing tools, including **Rest Assured** and **BlazeMeter**, to cater to diverse testing requirements.
* Conducted Penetration testing on **gateway** systems to identify and address security vulnerabilities
* Developed test plans that outline the scope, objectives, and testing strategy for automated testing using **Espresso**.
* Create **Kafka** Message Queues, Topics and **Kafka** Environment Using the chef scripts.
* Expertise with messaging models publish-subscribe using very frameworks like **JMS**, **KAFKA**.
* Worked on a proof of concept to implement **Kafka**-Storm based data pipeline.
* Tested the integration of **Salesforce** with other systems, ensuring data flows correctly and processes work as expected.
* Developed framework from the scratch for using **Cypress** to automate UI and used Java script, NodeJS and NPM for Angular based user interface.
* Used **Karate** to make **HTTP requests, validate responses**, and perform various assertions using a simple and expressive syntax
* Implemented automation using Selenium WebDriver, JAVA, BDD, Jbehave, Serenity, SVN and Maven.
* Assisted Manager by providing automation strategies, Selenium/Jbehave Automation and Serenity reports.
* Led the design and execution of comprehensive **UIAutomator2** test plans for Android applications, resulting in a reduction in critical bugs.
* Prepared and presented weekly and **monthly QA Defect** and **Status Reports** to the different Stakeholders.
* Performed UI and API testing using **Cypress** and created from framework from the scratch.
* Integrated **Katalon** Studio with CI technologies like **Azure DevOps** or **Jenkins** to automate test execution in the **CI/CD** process.
* Responsible for loading new software build with bug fixes on different **ATM/TERMINAL** once received from development team.
* Developed Automation Test Scripts using **BDD** and **Page Object Model** (POM) design approach with **Selenium Web driver**, Java and Excel for Data Driven testing.
* Used **Cypress** in combination with other tools for **performance and load testing** to assess the application's scalability and response times.
* Oversaw the testing of **Payment Merchant Gateways** including PayFlow, authorize.Net, Trust Commerce, Elavon, and others, ensuring seamless transaction processing and security compliance.
* Innovatively employed **Cypress.io** for developing and maintaining modular **test scripts**, facilitating end-to-end testing of modern web applications.
* Developed **BDD** (**Behavior Driven Development)** Test Automation framework in multiple **sprints** using Java and open-source technologies like **Selenium Web Driver and Cucumber/ Gherkin.**
* Wrote python scripts to read and write from csv files to database using Django ORM.
* Performed web application **Mobile Testing** using **BrowserStack**
* Responsible for creating test scenarios for user stories and creating automation test suites using **Python**, Selenium Webdriver**,** Pytest framework.
* Upheld a seamless user experience via exhaustive **cross-browser and cross-device testing** of payment workflows, harnessing **Selenium** and **Appium** for mobile testing across **iOS**, and platforms like **BrowserStack** and **Sauce Labs**.
* Orchestrated detailed **end-to-end payment testing scenarios** across web and mobile applications, guaranteeing a consistent user experience across platforms and devices.
* Tested many features in an agile environment using **Python**, **Django**, **HTML5**, **CSS**, **JavaScript**.
* Assisted in mentoring and training new QA engineers in **XCUITest** and mobile app testing best practices.
* Automated test cases using the **UIAutomator2** framework, enhancing test efficiency and repeatability.
* Worked closely with the development team to integrate **UIAutomator2** test suites into the CI/CD pipeline, reducing testing time by.
* Conducted end-to-end testing of web applications using **Cypress**, ensuring the functionality, performance, and security of the software.
* Led the design and execution of comprehensive **XCUITest** test plans for iOS applications, resulting in a reduction in critical bugs.
* Configured and programmed Distributed Control Systems (DCS) and Programmable Logic Controllers (PLC) using the S88 Standard for equipment and process control.
* Hands on experience on working **Cypress** for angular application end to end testing.
* Excellent understanding of Software Development Life Cycle **(SDLC)**, Software Development Engineer in Test **(SDET)**, Defect life cycles **(DLC)** and **Test Strategies** from project definition to **post-deployment**.
* Responsible for updating the PCE Server URL for each release/deployment and rebooted the **ATM**/Terminal.
* Evaluated & Reviewed user stories and participated in **Sprint Planning**, **Review Sessions** & **Scrum Meetings** and developed Test scenarios, Test cases, Test data, Test procedures, Test reports.
* Used **JDBC** to save and retrieve the policy pdf files using the policy database.
* Created automation framework and test scripts using **JavaScript**, **Selenium WebDriver**, **Java**, **Selenium Grid**, **Cucumber**, and **Maven** and executed the test scripts.
* Designed and developed Data driven, Behavior driven, TDD and Hybrid Automation framework using Selenium WebDriver.
* Experienced in designing customized hybrid framework (Keyword Driven & Data Driven) using **Selenium WebDriver**, **Java**, **TestNG** & **Apache POI**.
* Conducted browser compatibility testing using **Playwright**, identifying and resolving critical issues across various browsers and devices.
* Developed and executed White box test cases using **Python**, **Unitest/Pytest/Robot** framework & **PyCharm/Ride**.
* Developed and executed manual and automated tests in different platforms using **Python** and Selenium library.
* Automate those test cases using Selenium WebDriver, JUnit and Java technologies (Eclipse IDE) and in framework creation.
* For the current release we used **Serenity** BDD framework with Java and created automation scripts for the new application.
* Created automation scripts for RESTful Web API’s by using **Serenity** BDD framework and Robot framework.
* Used **CYARA** tool for **IVR** functional Testing.
* Ensured seamless integration of payment **gateway** with diverse third-party systems, rigorously validating **data** **exchange**, **encryption**, and alignment with **PCI compliance** standards.
* Employed knowledge on Object Oriented Programming concepts and Java.
* Developed test code in Java using Eclipse IDE and TestNG framework.
* Used Java language and Junit framework to create unit tests to be run against each Pull Request.
* Configured Selenium WebDriver, TestNG, and Maven tool and created Selenium automation scripts in Java, using Junit prior to agile release.
* Removed wounded banner from **ATM** machines by **ATM** settlement.
* Performed ADA testing (Voice Guidance) with languages (English) by using audio Jack to ensure prospective customers able to perform all transaction on the **ATM** machines.
* Worked on testing **IVR** set up with different types of Speech Recognition, **ANI**(Automatic Number Identification), **DNIS**(Dialed Number Identification Service).
* Worked using Cruncher for Performance, Replay for functional testing of **CYARA**.
* Worked with Blocks and Data Driven Testing of **CYARA** for Regression Testing.
* Wrote IVR test cases in **CYARA** and formed Campaigns.
* Maintained a library of reusable **Karate** test components to streamline test creation and reduce duplication of effort.
* Proficiency in managing test data within **Karate**, including data-driven testing using data tables.
* Validated the accuracy of the scripts used by the **IVR system**, including the wording of prompts and responses.
* Continuously improved automation test suite to match **development life cycle**.
* Created Test Plan and wrote Test cases for each **sprint**.
* Performed parameterization of the automated test scripts in Selenium to check how the application performs against multiple sets of data Contributed in developing Automation Framework that uses Java, Selenium WebDriver and TestNG.
* Expert knowledge in **Point of Sales (POS) Device Testing for POS Devices** for the models **Square and LightSpeed.**
* Performed **POS** testing to prevent any issue at the customer end like invalid pin, expired card.
* Involved in developing of **Data driven framework** with **Page Object Model** to test the web application and used **Maven** build tool to implement the framework dependency jar files.
* Used **GIT-hub repository** as a source repository system to share code within the office as well as with the team overseas and stored the framework and all the developed test cases.
* Wrote automated test scripts using **UI automation tools** and frameworks like **Espresso, and XCUITest** to interact with mobile applications to cover critical healthcare workflows.
* Performed Cross Browser and parallel testing to test whether the web applications are working as desired in **different browsers** and environments using **TestNG**.
* Created and executed **ETL test cases** to validate the accuracy and completeness of data transformation and loading processes.
* Assessed the **IVR application's** performance under different load conditions.
* Implemented **TestNG** in Grouping of Test Cases, Test Methods and Test Suites for **Regression and Functional Testing** using the **TestNG** annotations like Groups, Parameter, Data Provider.
* Took the application Screenshots and copied the images whenever exceptions occurred and at important checkpoints of application execution.
* Used **Python** libraries like **requests** to interact with **APIs**, HTTP requests, parsing responses, and validating **JSON/XML** data in API test scenarios.
* Hands-on experience in writing and executing unit tests for **Python** code using **PyTest** and Unit test frameworks
* Leveraged **Playwright** to create automated test scripts for responsive web applications, enhancing the testing process and minimizing human error
* Used **Apache POI** to read data from Excel sheet.
* Performed **Continuous Integration** of code and scripts using **Jenkins**, **Maven** and **TestNG**. Configured and launched builds using **Jenkins** jobs and analyzed the Test Results from **Jenkins UI**.
* Implemented **TestNG** automation framework for **Smoke Test** to ascertain that the crucial functions of the application work.
* Performed **Integration** and **Regression** Testing to check compatibility of new functionality with the existing functionalities of the application and executed **end-to-end testing**.
* Achieved Synchronization between test scripts execution and application using Implicit waits and Explicit waits.
* Handled automation framework code re-factoring to support test suites reusable.
* Actively participated in code reviews to increase test coverage.
* Performed **Database testing**, scripted SQL queries to verify **Data integrity** and validate updated data for the Test cases in different modules of the application.
* Responsible for scheduling and running Data Conversion job using AWS EMR, S3 buckets and AWS Redshift.
* Provide limited database administration tasks of MySql, Mongodb and Redshift Databases.
* Testing, installing, configuring and managing **Linux environments** and **JBoss** based server application on **AWS**.
* Performed **functional testing** of **SOAP** and **REST Web Services**. Validated request and response **XML**, **JSON**. Added assertions to validate the **XML** in Web services **SOAP** and **JSON** in RESTFUL services.
* Performed BDD **(Behavior Driven Development)**, ATDD **(Acceptance Test Driven Development)** using **Cucumber Features**, Scenarios and Step Definitions in **Gherkins** format.
* Experience in doing automation testing for Mobile application using **Appium** tool.
* Located and Inspected Mobile App Elements using UI **Android Automator** on **Android** and **Appium Desktop** on IOS.
* Segregated defects based on the hierarchy of the effects on the test scripts using **Log4j** using its components like loggers and appenders.
* Involved in Weekly Status Meetings with development and management Teams.
* Involved in Product Backlog, **Sprint Planning**, **Sprint backlog**, **Daily Scrum Calls**, **Sprint demo**, **Retrospective Meetings**.
* Provided support to the client during **UAT** and regularly involved in **client communication**.
* Interacted with the Development team and the Environment team in prioritizing the defect list and validating known **bug fixes**.
* Reported the test result using the output in excel files, **TestNG reports**, **XSLT reports** and **Cucumber JVM** reports.
* Worked closely with the onsite team and worked on needed enhancements to the legacy platform.
* Accessed Share point for all the report.
* Interaction with Business Analysts and Developers to resolve the technical issues to meet the client's requirement for a **better-quality software product**.
* Created AWS Launch configurations based on customized AMI and use this launch configuration to configure auto scaling groups and Implemented **AWS** solutions using EC2, S3, Route53, EBS, **Elastic Load Balancer**, **Auto scaling groups**.
* Experience in handling team and coordinating team with Offshore (Direct/manage).
* Served as QA resource during launches to the production environment.
* Participated in concept and requirements definition meetings; provided feedback for functional and technical design documents.
* Produced QA Level of Effort estimates and QA release schedules for projects.
* Identified and documented product risks and project risks, and the severity and impact of those risks.
* Well versed in **Jira Agile** - For Plan, Add **User Stories**, Add Task, **Create Test Cases**, **Create Defects**, and **Iterations**.

**Environment**: Selenium WebDriver, Selenium Server, Grid, Apache POI, Java, HTML, CSS, X-path, SQL, Maven, SOAPUI, Postman, Restful, JSON, Appium, Android, IOS, Cucumber, Gherkin, Protractor, Mocha, Chai, TestNG, Aws, S3, EBS XML, Log 4j, Share point, Agile, Jira, Jenkins, Oracle.

**Lead QA Automation and Manual Engineer**

**Discover Financial, Riverwoods, IL**   **Jan 2020 to Aug 2022**

**Responsibilities:**

* Designed and developed Data Driven framework which is a Hybrid framework for automation scripts using **Selenium WebDriver**, **Cucumber**, BDD, **Apache POI** and **TestNG**.
* Involved in **Agile testing**, reviewed the stories and participated in **Daily Scrum** and **Release Planning meeting**.
* Reviewed the **Product Backlog**, Functional Specifications Document and Technical Documentation.
* Experienced in preparing the Software Test Plan which includes analyzing requirements during the requirements analysis phase of projects using **JIRA**. Also, wrote System Test Procedures and conducted lab dry runs to maintain their accuracy per the latest software release.
* Used **Karate** to make **HTTP requests, validate responses**, and perform various assertions using a simple and expressive syntax.
* Led comprehensive **POS testing** initiatives, validating payment processing functionalities and ensuring precise transaction records.
* Utilized **Karate** as a built-in support for handling authentication.
* Understanding of mapping performed on **Kafka** topics and verifying it in Kibana UI.
* Insert test data for Fin Messages in database based on the test scenarios/use cases and verification of the same in **Kafka** Topics and **Kibana UI** based on mapping provided in Data Dictionary document.
* Insert test data through IBM Infrared 360 tool in Xml format for injecting the messages and verifying it in **Kafka** and **Kibana** **UI**.
* Utilized **Playwright's** API to automate complex user interactions, data validation, and performance testing, resulting in reduction in testing time.
* Contributed to the adoption of **Playwright** as the primary automation tool within the organization, conducting training sessions and workshops for team members.
* Proficient in using **Katalon** Studio to develop and maintain robust automated test suites, improving efficiency and accuracy in the testing process.
* Conducted **end-to-end testing** on the **Point of Sale (POS)** system, ensuring smooth payment processing at physical payment terminals.
* Verified all successful transactions reflected on **ATM** host for following Profile (360 debit card), Systematic (Retail debit card), and TSYS (Credit card) by using mainframe command prompt
* Performed Debit and Credit card transactions on **ATM** machines with NCR and Wincor.
* Developed test automation framework scripts using Python Selenium WebDriver.
* Implemented Page Object Model framework with Python and Selenium.
* Assisted in the development and maintenance of automated test scripts using **Cypress**.
* Automated test cases using **XCUITest** framework, enhancing test efficiency and repeatability.
* Integrated **QTP/UFT** and **Cypress.io** into the test automation suite to extend test coverage for certain application modules and enhance end-to-end testing capabilities.
* Displayed adeptness in **TypeScript**, exemplified by proficiency in **JEST** and **CYPRESS**, bolstering the overall testing process.
* Used Python scripts to update content in the database and manipulate files
* Developed entire frontend and backend modules using Python on Django Web Framework.
* Develop and maintain automated tests using Python and the Robot test framework.
* Wrote **Ansible** Playbooks with Python SSH as the Wrapper to Manage Configurations of AWS nodes and Tested Playbooks on AWS instances using Pytho–n. Run **Ansible** Scripts to Provide Dev Servers.
* Segregated automatable and non-automatable Test cases.
* Implemented automation using **Selenium**, **JAVA**, **Selenium Grid**, **TestNG**, and **Jenkins**.
* In depth understanding of Object-Oriented Programming and skilled in **Selenium developing** automated test scripts.
* Used Firebug, Fire Path to debug, edit and locate the objects based on ID, Name, XPath, CSS Selector, Link, Partial Link, Attributes and Tags.
* Responsible for maintaining quality of Data Conversion running AWS EMR, verifying data developing query on AWS Athena and Glue Catalogs, and finally create corresponding tables using AWS Redshift Spectrum.
* Analyzed ETL structural mapping of source and target towards creating test cases to perform data integrity, functional and regression, Database and **ETL** testing.
* Assessed the performance of **Talend ETL jobs**, identifying bottlenecks and optimizing workflows for efficiency.
* Conducted extensive **ETL testing** to validate data transformation and loading processes, ensuring accurate product information and inventory updates.
* Advanced knowledge on Confidential Redshift and MPP database concepts.
* Migrated on premise database structure to Confidential Redshift data warehouse.
* Was responsible for **ETL** and data validation using SQL Server Integration Services.
* Worked on Reports developed in **CYARA** tool for functional testing with Replay and for performance testing with Cruncher as part of **IVR** testing.
* Application development using Java/J2EE Technologies which include JDBC, Servlets, JSP, fiddler, jQuery, Java Beans, Spring 3.x, Hibernate 3.0, Web Services (SOAP and RESTFUL).
* Developed test code in Java language using Eclipse, IDE and Junit framework.
* Analyzed Replay, Cruncher, Reports and followed retesting and regression testing for improving quality of the **IVR**.
* Validated requirements with various states like Success, Satisfactory, Failed for test cases in **CYARA**.
* Used New Block, Import, Audio files in **CYARA** as part of scheduling testing.
* Lead for software manual testing, interface testing and automation testing using **Testcafe** and Selenium.
* Created test automation framework from scratch using **Cucumber** with Page Object Model **(POM)** using Java language. Developed User Stories using Java in **Behavior Driven Development** for User Acceptance Testing.
* Involved in developing Integration Test Plans, System Test Plans and Performance Test Plans for the applications.
* Performed Regression testing after each build release of the application and updated the scripts by executing the Regression suites built using **Selenium** and approve for **Regression Suite**.
* Expertise in handling List Boxes, Dropdown Menus, Mouse Actions, Frames, synchronization and all types of web elements.
* Pop-Ups using **Selenium**.
* Proficient in identifying web elements, performing actions, and validating web page content using Selenium WebDriver with **Python**.
* Responsible for installation and automate functional testcases using **TestCafe** node.js using TypeScript.
* Applied strong programming skills in **Python** for test automation, scripting, and data manipulation in QA testing scenarios.
* Utilized **Python** programming language in Quality Assurance (QA) processes to automate testing tasks and streamline workflows.
* Responsible for implementation of Hybrid Test Automation Framework, Page Object Model using Selenium WebDriver, Appium for both Android and iOS platforms and Required API’s time to time by requirement.
* Developed Automation scripts for Mobile Native applications (iOS, Android) and Web apps, and API Testing’s.
* Used **Cucumber** ,**Appium** ,**X code** for Native Mobile Application automation testing for iOS and Android platform.
* Experience in API automation testing using **Python** Springboot - RestAssured, GraphQL, and Postman.
* Assisted in mentoring and training new QA engineers in **UIAutomator2** and mobile app testing best practices.
* Configured **Jenkins** built job for **Continues Integration** and for **Regression Testing**.
* Used **JUnit** and **TestNG** as testing framework and **Maven** for project building.
* Managed the framework dependency jars using **Maven**.
* Used **SVN** source control repository tool, where Java and Selenium test source code and resources are maintained.
* Pulled code and tested code which is up to date from **GIT-HUB SCM** using **GITHUB** commands on Windows Machine.
* Used Protractor for End-to-End Testing of **Angular** **application**. Used **Mocha Test** Framework and **Chai** Assertions.
* Experience in **Core Java concepts** such as OOP Concepts, Collections Framework, Exception Handling, I/O System, **Multi-Threading**, **JDBC**.
* Created Generic functions that deal with different sets of data.
* Generated test logs using **Log4j** for various log levels.
* Understanding coding in **Java, C++, HTML, CSS, JavaScript.**
* Hands on experience in using **Apache POI** to extract data from external sources to operate locators into the test script.
* Involved in designing data driven framework for reading the data from excel sheets using **Apache POI library and Junit, TestNG data provider**.
* Designed an Appium and Selenium Java based Hybrid Framework for Apple’s iOS iPad real device using **XCUITest** framework.
* Expert in checking build by using **Maven** as well as can run test suite in cross browser or **parallel browser testing** (using TestNG.)
* Mentored junior QA team members in **TestCafe** test automation best practices.
* Used Jenkins for contentious integration and **GitHub** for version control management.
* Also, generate reports from **Jenkins** and shared with team members by email.
* Use **Maven** for checking build and use **Jenkins** as **CI**. Manage Automation project with **Maven Build tool**
* Develop Automation framework from scratch using **Maven**, **TestNG** with java programing language.
* Performed functional testing of **SOAP** and **RESTFUL** Web Services using **SOAPUI** Tool.
* Participated in weekly QA status and project status meetings to report any defects and issues
* Encountered in application.
* Project delivery under stringent timelines and high pressure.
* Scheduled and prioritized work and plan a sequence of testing activities that accomplish the planned

**Environment**: JIRA, Selenium WebDriver, Appium, JMeter, API, JUnit, TestNG, Maven, Jenkins, Fire Path, Firebug, HTML, Internet Explorer, Chrome, Mozilla Firefox, Cucumber, Gherkin, Java, UNIX, Linux, Windows XP, JavaScript, XML, Excel, SQL, Windows, Selenium.

**Senior QA Automation and Manual Engineer**

**Molina Health care, Long Beach, California**   **March 2018 to Nov 2019**

**Responsibilities:**

* Responsible for implementation of Hybrid Test Automation Framework build using **Selenium TestNG** and **Maven technologies** under **Java platform** utilizing industry leading harness design patterns and approaches.
* Understanding business requirements gathered from **Business Analysts**.
* Participated in identifying the **Test scenarios** and **Designing the Test cases**.
* Understanding requirement and developing end to end automation test scripts using **Selenium WebDriver** with **TestNG** framework.
* Conducted extensive **mobile testing** using **Appium** for Android and iOS platforms, ensuring seamless banking experiences on different devices.
* Integrated **Appium** tests with **Jenkins** **CI/CD pipeline**, enabling regular and consistent testing of code changes, and for automated nightly builds, ensuring thorough mobile app testing with each code iteration.
* Involved in development and execution of **TestNG** suites for the **bank application** modules using **TestNG framework**.
* Developed and maintained automated **Regression Test cases** in **Selenium WebDriver** using Java.
* Used Ant build management and implemented the framework dependency jar files.
* Identifying the web elements easily by id, name, **CSS** Selector, XPath, Class Name, link Text, partialLinkText, tag Name using the Firebug and Fire Path.
* Conducted comprehensive **ETL testing** to validate the accuracy and completeness of data transformation and loading processes in the claims processing system.
* Tested the scalability of **Talend ETL** jobs to ensure they can handle increased data volumes.
* Saved remarkable time and cost of testing by automation using **Selenium WebDriver**, **JAVA**, **Cucumber**.
* Implemented Implicit and Explicit waits to overcome synchronization issues.
* Automated Smoke and **Functional test** cases using **Selenium WebDriver, TestNG** and **Java** (Eclipse IDE).
* Performed **Smoke**, End to End and **Regression** tests in Test environment and Production support environment.
* Involved in **Cross browser testing** in different browsers and operating system using **selenium grid**.
* Handled broken links and inter application links in development test and production environments using **Selenium WebDriver**.
* Used updated extent reports dependencies to generate more **pictorial reports**.
* Involved in updating Framework functions when needed, executed them and generated reports.
* Analyzed Test Reports and Prepared Test Summary Report.
* Used **SOAPUI** tool to test Service Oriented Architecture **(SOA)** based architecture application to test **SOAP** services and **REST API**.
* Extensively used **SQL** programming in backend and front-end functions, procedures, packages to implement business rules and security.
* Managing security groups on **AWS** and custom monitoring using cloud watch. Migrated the current Linux environment to **AWS/RHEL Linux environment** and used auto scaling feature and Involved in Remediation and patching of **Unix/Linux Servers.**
* Used **JIRA** as a test Management tool and as a **bug reporting** tool to track test progress, execution and deliverables.
* Configured **TestNG** to get reports using IListenerin **Selenium WebDriver**.
* Implemented the mouse and keyboard events using the **Actions class**.
* Used **Apache POI** to read and write data from Excel sheets and testing the test scenarios.
* Provide Daily and Weekly Status Reports on project.
* Followed Sprint Burn Down Chart, Release Burn down Chart and attended **Agile Sprint Meeting**.
* Worked in high-pressure environments adhering to product quality standards and delivery dates.
* Stay abreast of new test methods and tools.
* A versatile team player coupled with excellent interpersonal and communication skills.
* Used Java and **TestNG** test framework to write **functional** test. Expert in checking build by using **Maven** as well as can run test suite in **cross browser** or **parallel browser testing** (using TestNG.)

Environment: Selenium IDE, Selenium WebDriver, Apache POI, Java, Firebug, Fire Path, HTML, CSS, X-path, SQL, Ant, SOAPUI, TestNG, Rest API, Selenium Grid, Unix/Linux, Maven technologies, XML, JIRA, Jenkins.

**QA Automation and Manual Engineer**

**Allstate Insurance, Northbrook, IL** **Oct 2015 to Feb 2018**

**Responsibilities:**

* Analyzed Business Requirements and Functional Specifications to develop testcases and worked on building test plan and test strategy documents.
* Involved in creating Test Scenarios and Test data by looking at the Requirements and communicated the updates to offshore in daily **scrum calls**.
* Worked on Commercial lines Property and Casualty Insurance including both policy and claim processing and reinsurance.
* Performed manual testing as well as automation testing for **functional** applications and worked on integration testing, back-end testing as well.
* Designed and developed **Keyword Driven** and **Data-Driven** automation framework for **Functional**, and **regression testing** using **Selenium Web driver**.
* Developed and executed automated tests scripts using Selenium for **Regression Testing** applying different Automation Framework.
* Involved in gathering requirements for both Personal and Commercial lines Property and Casualty Insurance including both policy and claim processing and reinsurance.
* Developed and executed test cases for **UI testing** to ensure the proper functionality and user experience of web and mobile applications.
* Designed and managed automation framework using ANT, **Page Object model**, **TestNG**, Eclipse and Java and Use **REST** client extension to manually debug and verify service calls.
* Developed new and updated existing Automation test cases using **Selenium Web driver** tested entire functionality of the application on different browsers based upon Business and System Requirements.
* Write SQL queries to automate data integrity and to verify the UI data against the real data compiled test metrics on a weekly basis and tracked the status of the test cycle.
* Developed extensive set of **Selenium WebDriver** based keywords to support **Keyword driven automation** testing like table Operation, handle Alert, update Page, validate Fields, getDBdata, etc.
* Analyzed the script execution report using java framework like **Cucumber**, **TestNG** to find out the issues in functional testing.
* Worked on implementing backup methodologies by Power Shell Scripts for **Azure Services** like **Azure SQL Database**, Key Vault, Storage blobs, App Services etc.
* Performed **Extract, Transform, Load (ETL) testing** to validate the accurate and efficient data processing and transformation within the data warehouse and other data-related systems.
* Verified data integrity and completeness during the **ETL** process to ensure data quality and reliability
* Designed Test Cases report validation in **HP ALM** for **UAT** testing with end customers responsible for execution of regression scripts on each Service pack release and updated results in Jira for personal commercial line of property and casualty insurance.
* Discussed incident story cards for Homeowners policy like personal property incident, dwelling incident and liability incident.
* Worked in **Jira** for planning, running and tracking defects while attending Walkthroughs with the client and the development team and Defect reporting meetings periodically.
* Implement cross-browser and cross-platform web testing with **Selenium Web Driver** performed build **acceptance testing** and **smoke testing** using **Cucumber automation tool.**
* Prepared test Scripts for conducting **User Acceptance Testing** (UAT) Designed and developed strong background in coding for automation, without reliance on record and **playback scripting**.
* Worked on testing status, reporting to the higher management and retesting the fixes automated scripts for **functional**, **regression**, **integration testing** using **Selenium**.
* Participated in daily stand-ups and project meetings to keep track of project priority and status.

**Environment:** Manual Testing, SQL, User Acceptance Test Cases (UAT), Cucumber Automation Tool, Page Object Model (POM), HP ALM, UAT, Jira Agile Testing Methodology,Azure Services**, Azure SQL Database,** UNIX, MS **SQL Server**, MS Excel, QC, JUnit, Windows XP, Selenium IDE, WebDriver, HTML, SoapUI, XML, Java Script, UNIX and Windows.

**QA Automation Engineer**

**Kellton Tech, Hyderabad, India**  **June 2012 to Nov 2014**

**Responsibilities:**

* Participate in product design reviews to provide input on **functional requirements**, **product designs**, **test estimates**, schedules and potential risks.
* Designed, developed, and maintained **TestCafe** test scripts for web applications.
* Worked with **Product**, **Design**, and Engineering teams on requirements gathering and evaluation.
* Performed **Regression testing** to make sure that the operations staff can see the aircraft-to-ATC communication in clear text.
* Extensive Knowledge in **Agile Methodology** and participated in **Sprint planning**, **Sprint Retrospective**, **Product Backlog Refinement** and daily **Scrum meetings**.
* Experience in automating **regression test** cases using **Selenium WebDriver**.
* Confidential ended stand-up calls on daily basis and had two-week **Sprints** in **Agile Methodology**.
* Tested **Angular** Application with **Jasmine testing framework** and **Protractor**. Used TypeScript for automation.
* Implemented automation using **Selenium Grid** to perform testing on multiple devices.
* Application Screenshots are captured using TakeScreenshotAs and copied the images whenever an exception occurs and at any checkpoint while execution.
* Handled various **Alerts** using different methods such as dismiss, accept, getText in effective way depending on the requirement.
* Assisted in the creation of automated **TestCafe** test scripts for repetitive test cases.
* Responsible for developing the scripts to support **Jenkins (Continuous Integration)** of the scripts with the build server.
* Developed Test Scripts to implement **Test Cases**, **Test Scenarios**, and features for **BDD** (Behavior Driven Development), **TDD** (Test Driven Development) using **Cucumber** in **Gherkins** format.
* Used **GitHub** to maintain and manage the build scripts, test data used, and other documents related to the project.
* Implemented **TestNG** unit testing framework for the **smoke test** and used all Annotations in **TestNG** effectively.
* Good hands-on experience on bug tracking tool like **Jira**.
* Worked on **Data Driven/Page Object Model Framework** and extracted data from external Excel files using **Apache POI** and loaded into the variables in the scripted code.
* Worked on **Maven** for build and dependency management where I have added different dependencies such as **Apache POI**/**TestNG**/**Maven-plugin-Api** etc. according to the requirement.
* Performed functional testing of web services using **SOAPUI** and RESTful web services.
* Performed **Mobile Testing** of **Android** based Apps using **Appium**. Connected Real Devices.
* Used Mobile Testing Tools **Perfecto Cloud Tool,** SeeTest, Browser Stack, Sauce Labs, **Appium**.
* Performed **Cross Browser** and parallel testing to test the applications are working as desired in different browsers and environments.
* Expertise in **Smoke testing**, **Regression testing**, **System Testing** and UAT.

**Environment:** Java, Selenium, Selenium Grid, Jasmine, TestNG, Angular, XPath, Eclipse, Data Driven and Page Object Model Framework, Cucumber, SoapUI, Appium, Protractor, Maven, Perfecto Cloud Tool, MYSQL, Oracle, Maven, Jenkins, Agile/Scrum, Gherkin, Scrum, Agile.