**Netra Sandeep**

***Software Development Engineer in Test*** 4056 Payne Road

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**PROFESSIONAL SUMMARY**

* **Software Development Engineer in Test** with around 8 years of professional experience in software Testing and Automation of Web Based and Web Service / API applications on various domains like E-commerce, Finance, Banking & Telecom experience.
* Strong knowledge of Software Test Life Cycle (**STLC**), Software Development Life Cycle (**SDLC**), Bug Life cycle and methods like **Agile Scrum, Waterfall.**
* Good knowledge on **Object Oriented Programming (OOP) concepts**. Extensively used **Java** for test case automation.
* Good Exposure on **Component Test, Functional Test, Regression Test, Post Production Test, Integration test, System Test, User Acceptance Test.**
* Involved in Test Planning, Test Preparation, Test Execution, Issue Resolution and Report Generation to assure that all aspects of a Project follow the Business Requirements.
* Extensive experience in setting **SDET** environments and developing automation scripts using **Selenium WebDriver/Selenium IDE** in Java Test Framework like **TestNG/Cucumber** for **web application.**
* Experience in manual testing and automation testing **RESTful** **Web Services** using **Postman** and **Apache HTTP Client, Rest Assured** along with **JAXB** and **GSON parser.**
* Working Knowledge of Web Technologies like **XML, HTML, JSON, HTTP**.
* Proven ability in developing Test Automation using **Cucumber** for Behavioral Driven Development (**BDD**) using **Gherkin** scripts and writing Step Definitions for behavior in **Selenium** using Java binding.
* Well versed in **Cross Browser Testing** and **Parallel Test Execution** using Selenium Web Driver, TestNG.
* Experience in creating page objects by using **Page Object Model**, developing reusable library functions in Java.
* Strong expertise in designing and executing the **SQL queries in MS SQL server, MYSQL, Oracle SQL Developer** in order to ensure the data integrity and to perform the **backend testing.**
* Good Experience in using Configuration management tools like **GIT**, build management tools like **MAVEN** and **Java IDE like IntelliJ and Eclipse**.
* Basic experience with **Jenkins**.
* Decent knowledge of **UNIX/LINUX**. Well Experienced in tools like **JIRA and Rally Tool.**
* Responsible to Track, Document, Capture, Manage and Communicate the Requirements using Requirement Traceability Matrix (RTM) which helped in controlling numerous artifacts produced by the teams across the deliverables for a project.
* Good Leadership qualities, performed different roles as **Test lead, Project lead.**
* Extensive experience in **co-ordination of Onsite/Offshore teams**.

**EDUCATION**

* **Master of Computer Applications (M.S) in 2009 from Gulbarga University, India**

**TECHNICAL SKILLS**

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| --- | --- |
| **Languages** | Java, SQL, C |
| **Web Technologies** | HTML, JSON, XML, XPATH |
| **Databases** | Oracle, MySQL, DB2, Microsoft Access |
| **Web Services** | RESTful Services, WSDL, UDDI, Rest Assured, Postman |
| **Testing Tools** | Selenium IDE/WebDriver/Grid, TestNG, JUnit, Cucumber, Log4j, Apache HTTP Client, Apache POI |
| **Build Tools/Continuous Integration** | Jenkins, Maven |
| **Defect Tracking Tools** | JIRA, Rally Tool |
| **Servers** | Apache Tomcat |
| **Testing Methodologies** | System, Acceptance, Functionality, Regression, Build Acceptance Testing |
| **IDE’s** | Eclipse, IntelliJ |
| **Platforms** | MAC, Windows, Unix, Linux, |
| **Version Control** | Git |

**EXPERIENCE**

**Client: Gap Inc, CA (Feb 2022 – Till Date)**

**Role: Software Development Engineer in Test**

GAP Inc is an American multinational Clothing and accessories retailer. It is a leading global specialty retailer offering clothing, accessories and personal care for men, women, children and babies. The Project is based on customers prospective which involved starting with testing the compatibility of GAP web application with all the browsers to secure payment of customers selected items.

**Responsibilities:**

* Worked on SDET (Software Development Engineer in Test) for development and testing of Web application and Web services.
* Extensively involved in all stages of testing life cycle, Test Driven Development methodologies, Software Development Life cycle (SDLC) using Agile methodology.
* Extensively performed Blackbox testing for validating the functional requirements to meet the Definition of Done. Involved in validating Functional, Integration and Regression test suites.
* Configured Selenium Web Driver, TestNG, Maven tool and Created selenium automation scripts in Java using Eclipse IDE and TestNG framework/BDD framework.
* Tested Rest API using RESTful Client, Test NG, Log4j and Page Object Model Framework/BDD framework and the request and response of the Web Services (SOA) through Postman.
* Used Page Objects design and page navigation framework for reusable test script and easy maintenance from developer perspectives.
* Used TestNG Annotations in Selenium Web Driver and executed a batch of tests as testing suite.
* Co-ordinated with various teams for management defects calls and resolved the testing issues.
* Participated in Review meetings to discuss Issues with Team Lead and Project Manager.
* Managed a small team of 3-4 members.

**Environment**: **Java, Selenium WebDriver, TestNG, Maven, Jenkins, Log4j, JAXB, BDD, Agile, XML, Web Services (RESTful), HTML, SQL, UNIX, Windows, Cucumber.**

**Client: Freddie Mac (Washington DC, US) (Feb 2021 –Jan 2022)**

**Role: Automation Test Engineer**

Freddie Mac, one of America's biggest buyers of home mortgages, is a stockholder-owned corporation chartered by Congress in 1970 to keep money flowing to mortgage lenders in support of homeownership and rental housing. The infrastructure and technology stack supporting Multifamily line of Business is built using custom developed software and vendor packages, which are out-of-date or reaching end-of-life cycle. Therefore, newer versions of vendor packages need to be implemented into the system in order to continue to receive vendor support and mitigate risk of system unavailability which may impact Regulatory and Legal requirements. The key goal of the project is to migrate legacy applications to newer technology platform. This project involves 30 critical Multifamily business applications. One of the application Service Requirement Management.

**Responsibilities:**

* Providing Project estimates, Gap Analysis, Risk Assessments, and Traceability.
* Worked with Business Analysts and Developers for requirements review and developing Test Scenarios.
* Analyzed Business Requirements, use cases and worked on automation and manual testing of the application.
* Creating **Test Strategy, Test Plan and Test scenarios** for the Sprints.
* Responsible for all types of tests like Business Functionality, Documentation testing, User Acceptance Testing (UAT), browser compatibility testing, Integration testing.
* Involved in creating Java based scripts for **Selenium WebDriver with TestNG** as Automation framework.
* Automated Web Application testing using Selenium WebDriver and **REST API** with **Apache HTTP Client, TestNG, Apache POI**.
* Worked on **Selenium** GUI Object / element verification through **XPath**, **CSS** locators.
* Extensively used **Page Objects design framework** for readable test script and easy maintenance from developer perspectives.
* Performed parameterization of the Automated Test scripts in Selenium WebDriver to check how the application performs against multiple sets of data.
* Performed Compatibility testing of applications for dynamic and static content of browsers using HTML Ids and XPath in Selenium.
* Used TestNG Annotations in creating test suites for validating Restful web services.
* Validated XML and JSON responses using **JAXB** and **GSON** parsers.
* Involved in creating automation test suites for regression testing in **SoapUI**. The messaging formats included SOAP over HTTP and REST based clients with XML payload.
* Performed Web Services Testing and XML validation by creating test case suite using **SoapUI** and **POSTMAN.**
* Developed and executed **SQL queries** to verify the proper insertion, deletion and updates into the database.
* Performed Regression testing on new builds, every modification in the application using **Selenium WebDriver**.
* Performed defect reporting and bug tracking using **JIRA** and also followed up with development team to verify bug fixes, and update bug status.

**Environment: Agile, JIRA, Selenium WebDriver, Java, Apache POI, Log4j, MAVEN, Eclipse, TestNG, Jenkins, HTML, CSS, XML, XPATH, Web Services and REST APIs, Oracle SQL, Linux.**

**Client: World Bank Group (Washington DC, US) (Apr 2018 – Nov 2020)**

**Role: QA Engineer**

Valuation Special Ledger is one of the most important projects of Finance and Treasury Portfolio of the International Finance Corporation (IFC). This project consolidates options Sub ledger, Loan Accounting Indicator, Equity Accounting Indicator and OCA2 projects of IFC with in an estimated timeline of 2-3 years. Core systems of IFC iDesk, ODS, EPMS, ICRA, SAP interacts to send and receive data from Valuation Special Ledger. Valuation Special Ledger will be built on Investran BEM which is a transaction-based multi-currency general ledger for investment and partnership accounting, portfolio management, and reporting. The primary component of the system is the Business Event Manager (BEM). The BEM is a centralized web-based workflow manager. The Investran system will provide many benefits to equity, Loans and options support team and ultimately to the financial accountability and strength of IFC.

**Responsibilities:**

* Worked with Business Analysts and Developers for requirements review and developing Test Scenarios.
* Responsible for all types of tests like Business Functionality, Documentation testing, User Acceptance Testing (UAT), browser compatibility testing, Integration testing.
* Involved in creating Java based scripts for Selenium WebDriver with TestNG as Automation framework.
* Automated Web Application testing using Selenium WebDriver and REST API with Apache HTTP Client, TestNG, Apache POI, JAXB, Gson frameworks.
* Worked on Selenium GUI Object / element verification is done through XPath, CSS locators.
* Extensively used Page Objects design framework for readable test script and easy maintenance from developer perspectives.
* Performed Compatibility testing of applications for dynamic and static content of browsers using HTML Ids and XPath in Selenium.
* Used TestNG Annotations in creating test suites for validating Restful web services.
* Validated XML and JSON responses using JAXB and GSON parsers.
* Involved in creating automation test suites for regression testing in SoapUI. The messaging formats included SOAP over HTTP and REST based clients with XML payload.
* Performed Web Services Testing and XML validation by creating test case suite using SoapUI and POSTMAN.
* Developed and executed SQL queries to verify the proper insertion, deletion and updates into the database.
* Performed Regression testing on new builds, every modification in the application using Selenium WebDriver.
* Performed defect reporting and bug tracking using JIRA and also followed up with development team to verify bug fixes, and update bug status.

**Environment: Agile, JIRA, Selenium WebDriver, Java, Apache POI, Log4j, MAVEN, Eclipse, TestNG, Jenkins, HTML, CSS, XML, XPATH, Web Services and REST APIs, Oracle SQL, Linux.**

**Client: AT&T, Seattle, WA, US (Nov 2016 – Mar 2018)**

**Role: QA Engineer**

AT&T Mobility is a leading telecommunications company in the world and the largest wireless company in the United States with more than 95.5 million subscribers who use the nation's largest digital voice and data network.

AT&T Products and Services include phones, calling plans, equipment and features. The features that AT&T offers include AOL Instant Messenger, Caller ID, Call waiting, Call forwarding, Detailed Billing, Mobile to Mobile minutes, Ring tones, Two-way text messaging, Voicemail with message waiting indicator and Three-way calling.

Premier data team provides Premier data analysis and reports. Work closely with other Premier teams to support standard and ad-hoc reporting needs, as well as profile or catalog mass data updates. Reports are tracked in PRC ticketing tool. It provides various types of report like Adhoc, Standard and change of request

**Responsibilities:**

* Analyze user stories and participate in various meetings like Sprint planning, Scrum Meetings, Review Sessions & Sprint Retrospective.
* Develop and Execute test Scripts using Selenium WebDriver/Java, TestNG and analyze Test Results.
* Perform parallel and Cross Browser testing on different browsers where multiple tests were run at the same time.
* Manage the framework dependency jars using Maven.
* Use Page object Framework for ease of maintenance of scripts.
* Involved in Web services testing using SOAPUI Tool. Validate request and response XML. Add assertions to validate the XML for SOAP and RESTFUL service.
* Apache Http Client uses a Http Uri Request to send and receive data and handled various methods using Http GET, Http POST, HTTP DELETE, HTTP PUT method.
* Perform backend testing by writing and executing SQL queries to validate that data is being populated in appropriate tables and manually verify the correctness of the data with front-end values.
* Manage individual sprints, user stories, Test defect cycle, and tasks using Jira as tracking tool
* Perform Functional testing as per user stories and also perform Integration Testing & Regression, using Selenium WebDriver automation scripts.
* Use GitHub as a source repository system.
* Use Jenkins for continuous integration of test automation scripts
* Verify the integration of various components in the application and execute end-to-end testing.
* Participate in Release Review/Requirement Analysis and Design review meetings.

**Environment: Agile, Rally, GIT, Selenium Web Driver, Java, MAVEN, Eclipse, TestNG, Jenkins, HTML, XML, Web Services and Restful, SQL Developer, Linux**

**Client: Century Link, India (Mar 2013 - Jun 2014)**

**Role: QA Engineer**

Qwest is a Telecom company providing services for 14 states in the USA. Customer Record Information System (CRIS) is a general term used for the billing system of Qwest, covering 14 states in US. Western CRIS System deals with the billing for 7.5 million customers. Eastern CRIS is taking care of billing for 5 million customers.

Central CRIS-SVO is a part of the billing system used by QWEST, Denver, CO, USA. The system maintains a customer record database. It receives service Orders entered through different systems used by front office, validates them for errors, rates them for charges applicable, stores them in a database and updates the coupling systems with latest record updates.

CDE (Convergent Discount Engine) is one of the Subsystem in Service Order that gives discount based on their services.

This is a bill pull process and the Billing systems call the discount engine to do the different functions.

**Responsibilities:**

* Lead Quality Assurance tester on 4 separate applications
* Trained and supervised incoming software testers
* Designed and maintained bug tracking system & **Test cases using Quality Center**
* Designed and implemented, from scratch, Help Authoring Systems
* Created detail Test Plan and Test Summary
* Release analyst, wrote release notes and inspecting findings for all deliverable builds
* Have allocated tasks to the team and helped in resolving any issues that the team encountered in achieving the goal
* Managed my team's knowledge Q site
* Collected and analyzed Quality metrics, suggested changes based on the analysis

**Environment**: QC, JIRA, Java, DB2