******Manav Ponnachanda**

**Software Development Engineer in Test (SDET) and Business Analyst**

**Email:**

**Phone:**

A Software Development Engineer in Test (SDET) with over 8 years’ experience in all phases of Software Testing Life Cycle (STLC)/ SDLC with experience in Requirements analysis (*planning, developing and implementing* -Logical thinker and strong communicator, who is highly skilled in management of technical and cross-functional teams, stakeholders and project initiators, vendor/client relationships, grant management, and all aspects of procurement and contract administration) and Software testing (*Test Strategy, Test Cases, Test Plans and Automation Test scripts using* ***Selenium*** *and* ***Java*)**.

Experienced in Automation and Manual testing while working in diversified domains such as **Banking, Health Care, Retail.**

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| Automation Tools | Database | Framework | Mobile Testing |
| Selenium/TestNG/RFT/JAWS | Oracle/MySQL | BDD/Data Driven/POM | Appium/Perfecto |

**Professional Summary:**

* Experienced in divergent phases of **Software Testing** **Life Cycle** and **Software Development Life Cycle (SDLC)** including **Agile Methodology/SCRUM, Waterfall and TDD.** Worked with open source tools such as **Selenium** (Selenium IDE, Selenium RC, Selenium Web Driver, and Selenium Grid)**, RFT, SoapUI, Cucumber, JUnit, JIRA, Eclipse and JAWS**.
* Implemented different automation frameworks like **Page Object Model Framework, TestNG Framework,** Keyword Driven Framework, Data Driven Framework, and **Hybrid Framework** for several projects.
* Hands on experience with Test management tools such as **HP Quality Canter/ALM/ RCLM/RQM.** Proficient in writing Selenium Web driver automation script using Java for **cross browsing testing**.
* Experienced in **BDD** (Behavior Driven Development), **ATDD** (Acceptance Test Driven Development) **using Cucumber Features, Scenarios, and Step Definitions.**
* Effectively used **Selenium Web driver**, **TestNG** test frameworks in creating test scripts, test suites and HTML reports. Worked extensively in testing **SOAP, REST and RESTFUL web services** using **SoapUI** and validated the response using assertions.
* Performed **Mobile Application Testing** in both smart phones and tablets for Android like **HTC, Nexus and Samsung** using **Perfecto.**
* Expertise in various **Web based testing** such as GUI Testing, Regression Testing, Integration Testing, System Testing, Performance Testing, Stress Testing, Functional Testing, and Unit Testing.
* Followed different test methods such as **Black Box Testing** and **White Box Testing** Techniques through **Boundary Value Analysis** and **Equivalence Portioning.**
* Experienced in doing automation testing for Mobile application in the application using **Appium** tool which involves **IOS** and **ANDROID** platforms. Expertise in **Java** and **OOPS** concepts required for **Selenium frameworks**.
* Used locators like **CSS, XPath, id and tagname, linktext** to find the Web Elements. Hands on experience in using build and project management tools like **Ant, MAVEN** and Configuration management tools like **SVN, GIT**.
* Performed Continuous integration using **Jenkins**. Reviewed & revised suite of test cases to reflect changes made to the **Test Plan** documentation for new functionality and performance issues. A keen communicator with honed interpersonal, problem solving and analytical abilities. Working with the local leads in **managing the project deadlines** and allocating the workload to the resources
* Worked in creation, preparation, and conduct of quality assurance reviews and contributed to the development and **execution of test plans** and test scripts. Responsible for developing, maintaining and compliance of quality assurance testing strategies, policies, procedures, standards, templates, and governance.
* Participated in requirement review meetings, analyzed requirements, developing and test cases, **Requirement Traceability Matrix, Defect Management, Reporting and Tracking.**
* Experience in preparing test data for **positive and negative test scenarios** and identified critical bugs early in the test execution cycle. Generated test logs using **Log4j** for various log levels.
* Expertise in writing **SQL Queries** and performing **Database testing** including **data integrity** and **data validation testing.** Worked with cross functional testing teams and developers for closing defects.
* Highly motivated, self-starter able to work independently and collaboratively within a diverse technical team. Worked in various relational databases such as Oracle and MySQL.

**Education and Certifications:**

* Bachelors in Technology – **Computer Science**.
* **ISTQB** Certified – International Software Testing Qualifications board.
* **ISO 9000** Lean Manufacturing Certified.

**TECHNICAL SKILLS:**

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| --- | --- |
| **Methodologies** | Agile/Scrum, Waterfall, SDLC, STLC. |
| **Testing Tools** | Selenium (WebDriver, RC, IDE, Grid), TestNG, JUnit, Cucumber, JMeter,  Appium, Load runner, RFT, Appium, Perfecto. |
| **Languages** | Java, C, HTML, XML. |
| **Test Frameworks** | Keyword Driven, Data Driven, Hybrid, Page Object Model. |
| **Utilities** | GIT, SVN, AutoIT, Firebug, Fire Path and Putty. |
| **SOA Technologies** | SOAP, REST, XML, WSDL, SOAP UI, JSON. |
| **Artifacts** | Test Strategy, Test Cases, Test Plan, RTM, Test Summary Report, Bug Report |
| **Bug Tracking Tools** | JIRA, HP Quality Center/ALM, Rally, TFS, Bugzilla, RQM, RCLM |
| **Behavior Driven Tools** | Cucumber, Gherkin |
| **Databases** | MS SQL Server, MySQL, Oracle, MS Access. |
| **IDE** | Eclipse, IntelliJ. |
| **Build and Integration Tools** | Maven, Ant, Jenkins. |
| **MS Office Tools** | Excel, Outlook, PowerPoint, and Word. |
| **Browsers** | Internet Explorer, Mozilla Firefox, Google Chrome, Safari. |
| **Operating Systems** | Windows XP/7/8/10, Mac OS, Linux, Unix. |

**WORK EXPERIENCE:**

**Credit Suisse, New York, NY 10018.**

**Sr.QA Automation Engineer May 16 – Present**

**Credit Suisse** automates front- and middle-office investment management functions across global business lines, asset classes and currencies on a single platform. Tightly-integrated capabilities support portfolio management, performance and risk, compliance monitoring, order and execution management, and post-trade processing. Charles River’s operating model includes enterprise software, data, application management, hosting and FIX network to improve investment professional productivity, control risk and lower technology costs. The solution streamlines workflows across a common platform, accurately-maps and manages data, standardizes interfaces, and simplifies day-to-day system management and upgrades.

**Responsibilities:**

* Assessed & analyzed user stories and participated in Sprint planning**,** Review Sessions & Scrum Meetings
* Worked on **Jira** for project life cycle, maintaining the requirements of the project and logging the defects.
* Reviewed product requirement documents, functional specifications, and involved in developing test strategy, test plan and test case documents
* Involved in **Automation Framework development (Data Driven Framework)**, using **Selenium WebDriver**, **TestNG, Cucumber** and **Page object model** using **Eclipse IDE**.
* Coordinated with the team members in the creation of automation scripts and execution of automated **regx ression suite** and fixing the defects found.
* Involved in various SDLC Phases-Requirements Analysis, Test Case Development, **System Testing, Regression** and **Conducted End to End and Black box testing**.
* Used **Maven**, **Selenium WebDriver** to execute Selenium automation suites on different platform.
* Involved in preparing test cases using **Selenium Web driver** to validate all UI components, Popups, Browser navigations and **Mouse Movements.**
* Developed **BDD** **(Behavior Driven Development)** tests using **Cucumber** in **Gherkin** format for writing behaviors and step definitions.
* Performed **Functional testing** as per user stories and performed **Integration Testing** &**System Testing** using **Selenium WebDriver** automation scripts.
* Performed **Data driven testing** to validate the components displayed on the website using Apache POI
* Took the **Application Screenshots** and copied the images whenever exceptions occurred and at important checkpoints of application execution.
* Extensively performed load testing using **Performance center**.
* Attended daily **scrum meetings** with the team to discuss the milestones and progress
* Well versed in communicating and coordination with **Subject Matter Expert** &**Business Analyst**
* Performed **browser compatibility testing** in different versions of Internet Explorer, Chrome, Mozilla Firefox and performed **Cross platform testing** across different versions of operating systems using **Selenium Grid**
* Involved in Web services testing using **SOAPUI** Tool. Validated request and response **XML**. Added **Assertions** to validate the **XML** in Web services **SOAP**.
* Experienced in doing automation testing for Mobile application in the application using **Appium** tool and **Perfecto** mobile software, which involves **IOS** and **ANDROID** platforms.
* Used **SDK** manager to install packages of different versions of android.
* **Cross operating system testing** on different versions of Android & IOS.
* Used **Git** as a source repository system to share code within the office as well as with the team in offshore.

**Environment:** Java, Selenium WebDriver, Page Object Model (POM), TestNG, Maven, SOAP UI, Agile, Eclipse, XPath, Firebug, SQL, Appium, Perfecto, Cucumber, Gherkin, Jira, Git repository, Performance center and Windows.

### **Silver Spring Networks, San Jose, California. 95134**

### **QA Automaton Engineer May 15 – April 16**

**Description:** Silver spring Networks had their own IOT devices. Pacific Gas and Electric Company (PG&E), Florida Power and Light (FPL), Common Wealth Edison Company are some of the clients for whom smart devices for utilities were developed. Implemented 3 modules MPC (Meter Program Configuration), AMM (Advanced Metrology Meter) and FWU (Firmware Upgrade) which made it accessible to customers to improve energy efficiency.

**Responsibilities:**

* Developing test plans and test scenarios for new functionalities in the project.
* Developing automation code using **RFT** with Java as the programming language.
* Also, involved in development of new improvements of the functionality in the project and resolving minor bugs.
* Writing test cases in **RCLM** for the new functionalities or updating the existing test cases if there are any improvements in the software.
* Manipulating database scripts accordingly for testing different scenarios in different environments using **SQL**.
* Creating tickets in **RQM** if there are any bugs detected or if there is a new requirement/changes to be implemented.
* Manually or through Jenkins automation, upgrading different environments of different versions to test the latest functionality and changes in those environments.
* Involved in Web services testing using **SOAPUI** Tool. Validated request and response **XML**. Added **Assertions** to validate the **XML** in Web services **SOAP**.
* Maintaining automated code in **GIT** (Version Control).
* Doing continuous integration through **Jenkins**.
* Following **Agile** methodology for software development and testing. Attend daily scrum(stand-up) meetings. Sprint planning and Sprint retrospect meeting to report the work and decide upcoming work.

**Environment**: Eclipse IDE, GIT, Jenkins, SQL, SOAP, REST, SOAPUI, RQM/RCLM, RFT, Java, Agile.

### **Wells Fargo, Princeton, NJ. 08540**

### **QA Automation Engineer Apr 13 – Mar 15**

**Description**: Wells Fargo is an American International banking and financial services holding company. MMDA Sweep is a product that allows customers to automatically invest excess collected balances into an FDIC-insured money market account. This tool can also be utilized with a commercial loan or line of credit. This MMDA Sweeps manages the funds of the customers at various accounts by adjusting them according to the needs of the respective accounts and by smartly investing the excess balances in to an FDIC-insured money market account daily.

**Responsibilities:**

* Participated in identifying the Test scenarios and designing the Test cases.
* Performed **BDD (Behavior Driven Development)** with **Data Driven Framework** using **Cucumbe**r Features, Scenarios, and Step Definitions in **Gherkin format**.
* Developed Data driven framework by reading test data from excel sheet using **ApachePOI**
* Understanding requirement and developing end to end automation test scripts using **Selenium** with **TestNG** framework.
* Developed and maintained automated regression test cases using **Java** with **Selenium.**
* Identifying the web elements easily by **id, class, CSS, binding, model** using the **firebug** and **FirePath**.
* Saved remarkable time and cost of testing by automation using **Selenium WebDriver, JAVA, Cucumber.**
* Updated Framework functions when needed, executed them, and generated reports.
* Reviewed Test Reports and Prepared Test Summary Report.
* Performed Data driven testing by reading data from excel file using **ApachePOI**
* Performed **Smoke, End to End and Regression tests** in Test environment and Production support environment.
* Used **Rally** as a test Management tool and as a bug reporting tool to track test progress, execution, and deliverables.
* Used **SVN** as configuration management tool
* Provide Daily and Weekly Status Reports on project.
* Involved in Developing and creating detailed test plans and test cases for the system covering design document, reviewing them with the developers and finalizing the test cases.
* Involved in **Backend** Testing.

**Environment:** Java, Selenium, TestNG, Cucumber, Eclipse, Windows, Oracle, SQL, SVN, Exceljs, Rally.

### **Whole Foods, Austin, Texas. 78759.**

### **QA Tester Feb 11 – Mar 13**

**Description:** The incumbent is responsible for performing a variety of software systems quality engineering duties to assist the product management in administrating quality protocols required in implementing and maintaining products to ensure customer satisfaction and compliance with NCR policies.

**Responsibilities:**

* Analyzed Business Requirement Document **(BRD)**, Change Requests **(CR)**, Design and **GUI Specifications** to **derive test plans**, **test data**, **test scenarios** and **test cases**.
* Prepared **Test Plans** and **Test Cases** into Excel Sheet for **Functional and Regression Testing**.
* Executed test cases and procedures for **Functionality Testing**, **Integration Testing**, end to end test cases, Regression Testing, Smoke Testing, Sanity Testing, Database Testing, ad hoc testing, Exploratory Testing, System Testing, **Positive Testing**, **Negative testing**.
* Reported and Tracked defects using **Rally**. I was responsible for keeping track on defects and changing the status once it’s fixed or status changed by the development team.
* Managed and updated the **Requirement Traceability Matrix (RTM)** to certify the coverage of the test cases.
* Interacted with **Developers, BA, Product Owner** to follow up on Defects/Issues and update the **ETA** accordingly in the **Rally** bug tracking tool.
* Participated in various meetings such as **Defect Review Meeting, Test Case Review Meeting**, Requirement walk through meeting discussed Enhancement and Modification requests.
* Conducted **Back-end Testing** using **Basic SQL Select Queries** and **Database Joins**.
* Excellent communication and **interpersonal skills** with ability to **co-ordinate activities** and work in a team environment to meet the deliverables.
* Identified risks, highlighted issues during testing and reported to business stakeholders and enabled elimination of risks.
* Ensured all work is carried out and documented in accordance with required standards, methods, and procedures.
* Preparing the **User manual and training documents** at the end of the release and publish those documents to the user and team for future reference.
* Provided training to the newly joined resources and make them comfortable with the application and Architecture.
* Apart from daily activity I used to implement new process to improve the deliverables.
* Prepared new format of status report to publish across the globe to reflect it in pictorial form.

**Environment:** Rally, Test Plan, Test case document, Waterfall Model, Excel, Windows.

### **Shoppers stop, Hyderabad, India 500026**

### **Java Developer Aug 08 – Dec 10**

**Description**: **Shoppers Stop** is an Indian retailing company that operates its e-store in clothing, accessories, handbags, shoes, jewelry, fragrances, cosmetics, health and beauty products, home furnishing and decor products. The project aimed at enhancing their existing e-store GUI. The project scope encompasses not only the ecommerce site, but also the Order Management System (OMS) and processing systems and components.

**Responsibilities:**

* Plan and execute the test plan for project.
* Implemented and followed **Waterfall** methodology
* Created **Test plan** and **Test Lab** in Quality center for the projects to create and access requirements, defects, test cases and reports for the status.
* Involved in updating and executing test cases according to requirements.
* Implemented QA approach to ensure product quality and was involved in project planning and coordination.
* Created and executed detailed test cases with systematic procedure and expected results and maintained the **Test Logs, Test Reports, Test Issues**, defect tracking using **Quality Center/ALM**
* Involved in writing and designing templates for the **Test Plans** and **Test cases.**
* Created test coverage matrix for **Regression and Smoke Testing** of the product.
* Hands on experience in java Interface, Java Beans, Collection Framework, Java.
* Written SQL Queries on Oracle database for data validation.
* Reported using **QA status Reports**, Defect Log Reports, Traceability, Test Execution, and Results Reports.
* Involved in updating and executing test cases according to requirements.
* Identified the Test Cases and documented them in **Quality Center/ALM**.
* Prepared various reports based on different stages of Testing.
* Interacted with manual and automation testing team to come up with best ways to improve data.

**Environment:** Java, Eclipse, Windows, HP Quality Center/ALM, MS Office, HTML, MS Excel.