**NARMADHA THIRUMOORTHY**

Wheeling, IL

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*(Employment Sponsorship Not Required)*

**PROFESSIONAL SUMMARY**

* More than 5 years of experience in Software Quality Assurance spanning across healthcare and ecommerce domains.
* Extensive experience in complete testing life cycle as part of both water fall and agile methodologies that includes requirement and use case analysis, test planning, test cases design, review, execution, defect tracking, retesting and eventually to full regression.
* Well versed with ‘Selenium WebDriver’, can independently develop automation test scripts for web applications.
* Good experience in automation frameworks TestNG and Maven with JAVA programming.
* Limited experience in Behavior-Driven (BDD) approach using Cucumber framework for one of the automation projects
* Experience in testing applications on both iOS and Android devices.
* Have good experience in testing sales force projects.
* Extensive experience in designing Test Cases, Test Scenarios, Test Scripts and Test reports of manual and automated tests.
* Good experience in functional testing, user acceptance testing, integration testing, end to end system testing including regression and sanity testing of client/server and web-based applications.
* Experienced in writing unique XPath using firebug and fire path to identify web elements.
* Experienced in providing the efficient locators strategy like XPath and CSS to run WebDriver script in stable condition.
* Well versed with Test Management tools like HP ALM 11, JIRA / Zephyr
* Have experience in testing BI projects that involved ETL processes and reporting tools like SSRS, Intellicus and Jasper.
* Strong in writing SQL queries to perform backend data validations.
* Experienced in working on multiple projects simultaneously
* Have been part of projects involving offshore
* Excellent experience with source version control tools such as GIT.
* Excellent interpersonal skills, proven team player with an analytical bent to problem solving and delivering under high stress environment.
* Good analytical and communication skills and ability to work independently with minimal supervision and also perform as part of a team.

**TECHNICAL SKILLS**

Test Automation tools Selenium Web Driver (Extensive hands on), Jmeter (basics)

Automation framework TestNG, BDD – Cucumber and Maven

Test Management Tools HP ALM, JIRA / Zephyr

Reporting tools SSRS, Intellicus and Jasper

Programming Languages Java, HTML, SQL

SDLC Methodologies Agile and Waterfall

Mobile Testing IOS and Android

**EDUCATION**

B.Tech (4 Years of Engineering) – Information Technology - Anna University, India

**WORK EXPERIENCE**

**QA Analyst – Digital Ancillary Products Feb 2018 to Till Date**

**Client – United Airlines Location: Downtown, Chicago**

United Airlines - Digital ancillary products come in to place during the ticket booking process, for united airlines customers. As part of this, customers can choose ‘Priority Boarding’, ‘Premier Access’ and Trip Insurance once they have selected the travel dates and flights seats. Based on their selection of ancillary products, the final price of ticket will be calculated. The same options are available for customers through ‘Manage Reservation’ if they chose not to opt for these services during ticket booking process. Customers are allowed to choose these services for all segments or a particular segment based on their needs. These features are available for IOS and android customers as well.

* Performing module lead role for mobile testing (iOS and Android).
* Analyzing user stories and development of Test Scenarios and Test Cases for both iOS and Android devices.
* Following Agile testing methodology, participating in daily SCRUM meetings and Huddle meetings and testing each SPRINT deliverables.
* Performing test data management activities to support other teams involved in a release.
* Validating user stories in all QA, Integration and Preprod (UAT) environments.
* Driving desk checks for all user stories in the sprint.
* Validating and testing GUI functionalities and integration with other components along with back end testing.
* Working closely with Business Analysts, Developers, UX and UAT for defects solving.
* Defect reporting, analyzing, tracking and generating report using JIRA.
* Involving in production deployment for every release.

**Environment:** Mobile Testing – iOS and Android, JIRA, Slack, Shares, SQL Server, Hockey app

**SDET/Automation – Salesforce / Reference point May 2016 to Feb 2018**

**Client - Medline Location: Mundelein, IL**

Reference point product is built on ’Salesforce’ and the main objective it serves is to increase the efficiency of ‘Patient referral / Intake process’. Patient referral documents sent through fax or email are queued up in the default view and Intake users would assign the patient records to themselves and start working on it. This helps to take in more patients with just minimal data and pass it on to the main databases. The data are maintained in MS SQL Server 2008 R2 Database and used by various ETL and reporting servers.

* Involved in analyzing Requirement Specifications and development of Test Scenarios.
* Designed, developed and implemented automation-testing framework utilizing Java, TestNG, Selenium WebDriver and Cucumber.
* Performed Functional and Regression testing by automated scripts using Selenium, TestNG and Maven.
* Validated and tested GUI functionalities and integration with other components along with back end testing.
* Performed Data Driven testing to validate the components displayed on the website using Selenium.
* Responsible for fixing and maintaining regression automation test scripts for end to end testing using Selenium WebDriver (using Java).
* Performed automated regression testing to check the new functionality, bug fixes, and fix packs.
* Attended the Review meetings and walkthroughs and interacting to Business Analysts and Developers for defects solving.
* Defect reporting, analyzing, tracking and generating report using JIRA.
* Followed Agile testing methodology, participated in daily SCRUM meetings and tested each SPRINT deliverables.

**Environment:** Selenium WebDriver, Maven, TestNG, JIRA, Fire path, Fire Bug, Eclipse IDE, Java, SQL Server, Cucumber(BDD), Gherkin.

**Test Analyst – Automation / BI April 2014 to Oct 2016**

**Client – Medline Location: Mundelein, IL**

Patient Management System (PMS) application has features to support their entire business flow starting from Patient registration, Intake, Equipment’s Management, Billing, Accounts Receivables and reporting. Reports are developed using Intellicus and Jasper that are available to all PMS users and SSRS reports that are specifically for leadership.

* Analyzed new features requirements, created test specifications, test cases, and worked closely with development and business teams.
* Performed Functional Testing, Regression Testing and Integration Testing using both black box and automation testing methodologies.
* Reviewed and updated Requirements Traceability Matrices (RTM) that satisfy all required project's test conditions.
* Developed and executed automated scripts using Selenium RC, Java, JUnit in Eclipse IDE to perform functional and regression testing.
* Performed ETL and BI testing which includes data validation by setting up data in multiple source systems and validating the accuracy of it in the ETL staging tables based on data mapping.
* Tested the reports that are developed in all three formats – Intellicus, Jasper and SSRS.
* Responsible for preparation of Test cycle/progress reports, analysis of defect metrics& implement improvement actions for next iterations.
* Identified, logged, tracked and escalated bugs using JIRA and involved in Defect Management, Defect triage and defect Status Reporting.
* Interacted with the developers to make sure that they have understood the issues and proactively involved in Defect review meeting

**Environment:** Java, Selenium RC/IDE, JUnit, Eclipse, JIRA, XPATH, PL/SQL, HTML, Windows XP, UNIX.

**Junior Test Analyst – Manual June 2012 to Nov 2013**

**Employer – GEW Location: Chennai, India**

‘Packing and Tracking Solutions’ is a product developed by GEW to help manufacturing companies to track the product being manufactured from raw materials to assembly to packing and shipping. It also has in-built reports that can be used by Production department to track the current status of a product and who is working on it and ETA to complete it.

* Designed and documented test cases and test scenarios based on requirements and design documents.
* Identified the test cases and documented them in ALM.
* Worked with the developers and the test lead to verify the test cases and incorporated their review comments on regular basis
* Prepared test data for positive and negative test scenarios for functional testing as documented in the test plan.
* Reviewed test cases after requirement changes or enhancements and identified reusable test cases.
* Developed the Traceability matrix between requirements and test cases using HP ALM.
* Supported Senior QA Analyst manual tester in the development and execution of QA continuous process.
* Developed SQL Queries to perform database testing based on the verification steps.
* Performed Back End testing of the database by using SQL queries to retrieve data from database.
* Executed test cases assigned to me on weekly basis and reported defects in ‘ALM’ with all the required details.
* Actively participated in defect review meetings with QA team and developers to discuss and resolve outstanding defects.
* Used ALM for all test management activities including storing all test cases and its’ results and for defect Tracking and Reporting.
* Reported daily status to test lead, provided weekly management status reports and coordinated meetings between test team and development team to review defects.
* Involved in front end – IE based and back end testing to ensure data and tracking accuracy.

**Environment:** VSS – Version control tool,ALM, Oracle database, HTML, Windows XP, MS-Office, MS-Excel, IE