**Rama Krishna**

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**ISTQB Foundation level certified tester**

**Professional Summary:**

* **4+ years** of extensive and diversified experience in Information Technology with emphasis on **Manual, Automation Testing**, **Web** and **Client/Server** based applications.
* Expertise in testing techniques like Black Box, Functional, System Integration (SIT), Database testing, GUI testing, Regression testing, UAT /BAT testing, Automation testing and REST API.
* Sound knowledge of software development life cycle (**SDLC**) and software test life cycle (**STLC**), methodologies such as Agile, Scrum, waterfall and V-model.
* Extensive knowledge in understanding various documents like System requirement specifications, Functional requirement specifications, Business requirement document, Workflow diagrams and Use cases.
* Experience in mapping Requirements Traceability Matrix, writing Test scenarios, Test specifications, Test cases, Test phase closure reports, schedules and estimates, test planning/preparation/execution activities at various phases of STLC.
* Skilled professional in using test and defect tracking, execution of projects deliverables, using various testing tools like HP ALM QC and JIRA.
* Sound knowledge on Object Oriented Programming concepts and Java Programming Language.
* Design, implement and maintain industry standard Frameworks for Test Automation -Data Driven, Behavioral Driven& Keyword driven Frameworks.
* Good experience in creating automation framework along with developing, executing and maintaining automation testing script with Selenium WebDriver and Selenium Grid.
* Experience in developing end to end automation using Junit/TestNG, Page Object Model (POM), Maven, Cucumber (BDD), and RESTful/API Web Services.
* Automated and scheduled build using continuous integration tool Jenkins.
* Performed Web services testing with Postman plugin by using the RESTful methods POST, GET, DELETE and PUT.
* Involved in testing Web services, XML with tool called SOAP UI and to locate WSDL file on internet, create Test cases and run them.
* Extensively used and developed SQL scripts/queries in backend testing of Databases.
* Worked with ETL groups and business analyst for understating mappings for Dimensions, Facts and Aggregate Tables.
* Expertise in Testing SAP Business Objects (Desktop Intelligence, Web Intelligence),Tableau reports and changing the logic of code and creating ad-hoc reports to see if such reports are feasible and acceptable for customers.
* Experience with Cross-Browser and Compatibility Testing to test whether the web applications are working as desired in different browsers and environments.
* Proficient in identifying, logging, reporting and follow up of defects throughout the defect life cycle and worked closely with developer and business teams to resolve issues.
* The ability to interact professionally with a diverse group of managers, leads, developers, business users, subject matter experts, third party vendors, onsite/ offshore testing and QA team members.
* Ability to learn quickly and be flexible and adaptable to change. Comfortable in ambiguous, ever changing environments. Ability to thrive under pressure and deadlines. Good verbal and written communication skills.

TECHNICAL SKILLS

Testing Management Tools: HP ALM, Jira & Xray, Bugzilla.

Automation Frameworks: **Page Object Model, JUnit/TestNG, Data Driven, Cucumber (BDD),**

Web Technologies: Java Script, HTML, XML,CSS3

Programming Languages: C,Java, SQL and PL/SQL

Build tools: Jenikins ,GIT, Maven

OS: Unix, Windows, Linux and Mac

Database: Oracle, DB2 and MS SQL Server

ETL Tools: Datastage, SAP Business Warehouse (BW 7.3 & 7.4)

Reporting Tools: SAP Business Objects 3.1, BI 4.0 & 4.1, Tableau 9.1/9.7 & 10.1

Other: Microsoft Office, MS Visual Studio, Beyond Compare.

**Company: IGT (International Gaming Technology), Moncton January 2017 – Present**

**Central Systems Upgrade Quality Assurance Analyst**  INTELLIGEN Central Monitoring System is a comprehensive centralized software system for administrating video lotteries. It provides security, redundancy, event logging and database logging of all gaming activities in a jurisdiction. The INTELLIGEN system is used to control the operation of gaming machines, accumulate accounting information, and provide game data. It also stores marketing information, provides price validation and facilitates cash management. This is accompanied by placing the central system in control of all transactions, security and operational events. The central system is an online transaction-processing engine, which interfaces with a SQL-based Relational Database Management system.

**Position: QA Engineer**

**Roles & Responsibilities**

* Analyzed business requirements and functional documents, created to define the test environment, phases of testing, entrance and exit criteria into different phases of testing and resources required to conduct the effort.
* Developed Test Scripts to implement TDD (Test Driven Development), BDD (Behavior Driven Development) using Cucumber.
* Worked on developing the automaton scripts using selenium web driver with TestNG.
* Developed Hybrid Test Framework using selenium WebDriver, Maven and TestNG.
* Develop Selenium scripts in TestNG for parameterization using Data Provider annotation.
* Perform parameterization of the automated test scripts in selenium to check how the application performs against multiple sets of data contributed in Automation framework that uses Java, Selenium Web driver and TestNG.
* Developed HTML TestNG reports for analyzing the output of test using Extent Reports API.
* Extensively worked on GUI elements using various Selenium Locators like ID, Name, Link Text, Partial Link Text, XPath, CSS, and DOM in creating automation scripts.
* Experienced in using Accessing Forms, tables, link, Keyboard Mouse Events, Uploading File using Selenium WebDriver.
* Implemented test automation for handling Popup windows and Alerts using WebDriver and Alert interface class.
* Experience in testing and handling different frames (frames, iframes) of a HTML page with having different DOM’s for every iframe.
* Proficient in handling the SSL certificate error using Desired capabilities in all the web Browsers.
* Used Auto It, Robot API tools in automation for Mouse movements, Keystrokes, Window control manipulations and print pop-ups which is not possible using selenium WebDriver.
* Used **Maven**to build and run the **Selenium**automation framework. Once the script got over, framework used to send the automation reports over email.
* Configured application framework using Excel spreadsheets and processed the spreadsheets using Apache POI.
* Involved in Cross Browser Automation using Selenium GRID with Sauce Labs Cloud Integration.
* Created automation scripts in SOAPUI using Groovy Script for web services testing.
* Worked on web services tools like Postman and validated the request and response of status codes.
* Involved in testing REST Architecture using REST Assured and testing both XML/JSON formats.
* Analyzed the Log files to verify the processes for debugging and or test data verification purposes.
* Developed and executed SQL queries to verify the proper insertion, deletion and updates into the database and investigate for solutions using data analysis practices and prepare analysis reports.
* Performed Regression testing on new builds, every modification in the application using Selenium Web Driver.
* Developed and executed SQL queries in the database to conduct Data integrity testing by checking the data tables on the server.
* Interacted with development and product management teams for the quick resolution of reported bugs and various technical issues. Data validation and Database integrity testing done by executing SQL queries.
* Triage Defects from the project and segregating, prioritizing them for future builds for better quality of the product.
* Preparing QA status reports based on test coverage vs Requirements and bug/issues coverage (fix& close) for the project and sending Status reports to QA team and project team.
* Scheduled Defect Review Meeting with the team and determined the defects’ priorities.
* Involved in QA reviews like Peer Review and Functional Review, walkthroughs and audits during Software Development Life cycle.
* Providing and arranging the KT sessions to the new team members.

**Technical Environment:** HP ALM, Xray, XMind, Selenium WebDriver, TestNG, Jenkins, Maven, SQL Server, TOAD, Swagger, Java, UNIX, Shell script and JIRA.

**Company: SaskTel Communication, SK March 2015 – December 2016**

**Project: POS System Implementation**

**Position: QA Tester**

POS Application is web-based application is a management tool that allows a Head Office or Warehouse to remain synchronized with, and manage one or more Store Locations. With this POS application, inventory is generated at one location and polled, (sent,) to all others, making inventory management and control manageable.

* Reviewed Business, Functional Requirements and Use Cases.
* Identified gaps in the requirements and reported to the author.
* Created Test scenarios based on the Requirements and Use Cases and provided for Sign off.
* Created Test Cases in Quality Center based on the approved Test Scenarios.
* Identified and mapped the test data to specific test cases for test execution purpose.
* Documented ‘Requirement Traceability Matrix’ (RTM) and linked the requirements to test cases to ensure test coverage
* Documented test cases in the Quality Center and configured the required Test Set properties for test execution.
* Executed tests in QA environment by executing Test cases for Smoke, Functional, System Interface Integration, End to End, Security, Penetration, Cross browser, Regression, User Acceptance and Batch testing.
* Actively assisted Business team with planning, coordinating and executing User Acceptance Testing (UAT).
* Identified and reported defects in Quality Center with the respective priority and severity.
* Analyzed, Reviewed and Tracked defects in Quality Center by generating customized reports.
* Retested new Application Builds after defect fixes.
* Provided status reports on daily basis to the management.

Technical Environment: Quality Center 10.0, Oracle, PL SQL, , DB2Java, J2EE,VBScript, SOAP UI, WebLogic Server 8.1, Bugzilla and Unix