**Karthick**

**Professional Summary:**

* Over 7 years of experience working as QA Engineer for Software Development and Testing life Cycle including preparation of Test Strategies, Test Plans, Test Cases, Test summary reports for both Web and Client-Server Applications.
* Expert in **Testing Life Cycle (TLC):** Including **Planning Process, Test Design, Performing Test**, Defect Tracking, Management and Test Reporting.
* Proficient on **Automation** tools like **Selenium RC/WebDriver (Functional & Regression Testing), TestNG, Junit, ANT, Maven, Jenkins and SOAP UI Pro**for testing Client Server and Web based Applications.
* Expertise in using Selenium **WebDriverAPI** to automate tests on **cross browser** and **cross platform** environment. Sound knowledge on **Object Oriented Programming** concept and **Java** Language.
* Good experience in integrating Automation scripts (Selenium WebDriver API) on **Continuous Integration tools Hudson/Jenkins** for nightly batch run of the Script.
* Expertise in developing, estimating, documenting and executing test cases manually and generating automated scripts using **Selenium IDE, RC and WebDriver.**
* Proficient in creating automation script from **scratch**. Sound knowledge of developing different type of **framework** like **Module driven**, **Data driven** and **Hybrid** framework.
* Expertise in preparing Test Plans, developing, reviewing and executing Test Cases and Test Scripts based on Functional Requirements, Business Requirements and Use Case Documents.
* Expert in performing different tests types, QA Methodologies: **White Box, Black Box**, Front-End and Back-End, Stress & Load, Regression, Configuration, Functional, Installation & Integration, Smoke, and User Acceptance Testing
* Experience in **Oracle database** administration and good understanding of Data warehousing concepts and testing **Web Services** using **SOAP UI**.
* Experience understanding the code written in different programming languages **Java, Java Script** and **databases** like **Oracle**, SQL Server.
* Expertise in documenting defects with high level of detail, accuracy, and informative recreation steps using **Quality Center, JIRA, IBM Clear Quest, BugZilla.**
* Very good knowledge of writing BDD compliant feature files using **CucumberJVM** and **Gherkin.**
* Well versed in different management scenarios like **Change Control, Quality Assurance, Defect Tracking, System Integration, and Task Scheduling.**
* Sound knowledge on **Object Oriented Programming** (OOP) concept. Extensively used Java for test case automation.
* Experience in both **Waterfall** (**Software Development Life Cycle -SDLC) and Agile Project Environment.**
* Solid SQL skills, can write complex **SQL queries;** functions, triggers and stored procedures for Backend testing and End-to-End testing.
* **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:**

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| --- | --- |
| **Testing Tools** | Selenium WebDriver/IDE/RC/Grid, Jira, Mercury Quality Center, Junit, TestNG, SOAP UI, Cucumber |
| **Scripting Languages** | JavaScript |
| **Languages** | C, C++, JAVA, SQL |
| **Web Technologies** | HTML, DHTML, CSS, XML, XPATH, AJAX, ECLIPSE. |
| **Build Tools** | Ant, Maven |
| **Continuous Integration Tools** | Jenkins |
| **Databases** | MS Access, Oracle, MySQL, DB2, SQL Server |
| **Operating systems** | Windows, UNIX |

**Professional Experience:**

**Client: Home Depot, Atlanta, GA. Nov 14 – Till Date**

Home Depot is the world's largest home improvement specialty retailer, with more than 2,200 retail stores in the United States. I was involving in testing Shopping Cart, product range and Checkout modules of the website to test that process with all possible test data sets in different scenarios.

**Role: QA Automation Engineer**

**Responsibilities:**

* Analyzed business requirements, system requirements, and **data mapping requirement** specifications interacting with client, developers and QA team.
* Involved in analyzing **system specifications, design, development** and execution of test plans and test cases for **Manual** and **Automated testing**.
* Designed, developed and implemented**POM** based automation testing framework utilizing Java, **TestNG** and **Selenium WebDriver**.
* Setup the Automation framework using **Selenium WebDriver** to run test cases in multiple browsers and platforms.
* Developed custom libraries **for automation** using **JAVA & Selenium WebDriver**.
* Involved in design and implementation of Selenium WebDriver automation framework for smoke and regression test suites **(TestNG).**
* Developed Automation framework using **Selenium WebDriver (Java)** and Test Execution using **TestNG.**
* Responsible for implementation of Hybrid Test Automation Framework build using **Selenium WebDriver, TestNG and Maven** technologies under Java platform utilizing industry leading harness design patterns and approaches.
* Maintained and executed **Maven build files** for running automated tests.
* Implemented Automated execution of tests (nightly and need based) using **Maven andJenkins**.
* Worked on distributed test automation execution on different environment as part of Continuous Integration Process using **Jenkins**.
* Used **Firebug** to do web based application testing with **Selenium** for the commands and locator application.
* Performed manual testing of each build and then **regression testing** on each builds using **Selenium WebDriver.**
* Involved in testing Web services and XML with tool called **SOAP UI** and using this tool to locate WSDL file on internet, create Test cases and run them
* Worked on **Cross Browser testing** through **Selenium WebDriver** by testing the website on different browsers like Chrome, IE and Firefox.
* Worked with designing and building automation frameworks in **Cucumber BDD.**
* Conducted **System Testing** and **User Acceptance Testing** for every client and Conducted Backend testing writing extensive **SQL queries**.
* Worked with **Source version control** tool such as **Git**
* Involved in **documentation** as to how to maintain and run scripts for future enhancements. Responsible for testing the application against different environments in **QA, staging and production**.
* Participated QA weekly meetings and various other meetings and discussed Enhancement and Modification Request issues and defects in the application.

**Environment**: Java, Selenium WebDriver, Maven, TestNG, Jenkins, XPath, Eclipse, SOAP UI, JIRA, Git, Firebug, HTML, XML, CSS, Internet Explorer, Chrome, Firefox, SQL, Oracle, Windows.

**Client: NIELSEN, IL. Aug 13 – Oct 14**

**Project: OpsConsole**

Opsconsole is an internal project of Nielsen for its employee. This will provide the flexibility to higher management to access the controls and responsibility to employee as per of their designation. The system also provides the functionality to access the login history of the employee which can be also generated in Excel Format by the functionality provided by UI.

**Role: QA Automation Engineer**

**Responsibilities;**

* Responsible for preparation of Test cycle/progress reports, analysis of defect metrics & implement improvement actions for next iterations.
* Performed different testing task using various **test scripts on Selenium WebDriver** and **TestNG**
* Responsible for fixing and maintaining regression automation test scripts for end to end testing using **Selenium WebDriver** (using **Java**).
* Developed test code in Java language using **Eclipse, IDE** and **TestNG** framework.
* Involved in designing and implementing of **hybrid automation** framework to be used with **Selenium WebDriver**.
* Used **Selenium WebDriver** and **TestNG** to run the parallel testing.
* Designed and executed the Automation Test Scripts using **Selenium WebDriver**and **TestNG**
* Wrote **Ant build scripts** to automate the compilation and execution of **TestNG test cases/suites**
* Used **Java** language and **TestNG** framework for scripting. Used **TestNG** for building the WebDriver project. Integrated with Continuous Integration tools **Jenkins** for running test on nightly basis automatically.
* Integrated Automation scripts (Selenium WebDriver API) in **Continuous Integration tools (Jenkins) for** nightly batch run of the Script
* Used **Selenium WebDriver** API to write automation script
* Designed and Developed **UAT Regression** automation script and Automation of functional **testing framework** for all modules using **Selenium and WebDriver**.
* Performed Data driven testing using **Selenium WebDriver**, **Junit** functions and JDBC Connections which reads data from scripts using property and **XML** files.
* Responsible creating the functional testing framework using **TestNG**and using **Selenium WebDriver** to automate the UI components.
* Experience in **Adobe AEM** content management software
* Tested various page components in **Adobe AEM**
* Used **Selenium WebDriver** used to test search results of Meta search engine.
* Involved in Web Services Testing using **SOAP UI.**
* Performed data driven testing by using JDBC as a data source in **SOAP UI** and configured SQL queries to fetch data from the Oracle database.
* Used **Jira** for defect reporting and tracking
* Data Validation and testing using **SQL** with Oracle and Toad
* Closely involved with development team, maintenance team and business team regarding changing **requirements,builds and releases**.

**Environment:** Java,Selenium WebDriver, Jenkins, TestNG,Maven, Jira,SOAP UI, XPath, Eclipse, XML, DHTML, SQL, Oracle, Windows.

**Client: Angies List, Indianapolis, IN. Oct 12 – Jul 13**

**Role:Automation Test Engineer**

**Responsibilities:**

* Responsible for designing, developing test plans test cases and executing test scripts.
* Involved in designing the Automation testing framework for Dashboard project using **Selenium WebDriver**
* Participated in the User Stories discussion and test scenarios preparation.
* Converted manual Test Cases into automated scripts with **SeleniumWebDriver**
* Involved in preparation of test cases and test scripts for both manual and automation tests.
* Performed Defect tracking and management, interfacing with development teams, configuration management team, environment team, UAT team and other application teams.
* Used automated scripts and performed functionality testing during the various phases of the application development using **SeleniumWebDriver**
* Performed Integration and Regression testing to check compatibility of new functionality with the existing functionalities of the application using **SeleniumWebDriver**
* Automated functional scenarios using **Selenium WebDriver**
* Involved in offshore co-ordination, work assignment, query resolution, work product reviews.
* Preparation of data requirements for each Sprint release and preparation of test cases design and review and publishing during the demo.
* Provided strategies for reusability of data requirements which helped in effort saving.

**Environment**: Java, Selenium WebDriver, Junit, Ant,XPath, Eclipse, SQL, JIRA, Windows.

**Client: Prologis, Denver,CO. Nov 11 – Sep 12**

**Role: QA Engineer**

**Responsibilities:**

* Coordinate day-to-day changes, activities for testing, processes, and environment changes.
* Involved in Automation of Web Application using **Selenium IDE.**
* Used **SeleniumRC**to automate Web Application testing.
* Address and facilitate issues that occur in a timely manner.
* Developed Integration and System test cases using **Quality Center.**
* Log QA issues and follows them through resolution.
* Define the test execution and defect reporting needs and also determine frequency and communication of these reports.
* Facilitate/Assist with daily/weekly meetings held by Testing Enablement to discuss status of testing and calendar activities.
* Validate and approve entry/exit criteria forms for System Integration and User Acceptance Testing.

**Environment:** Selenium RC Server, Selenium IDE, Junit, XPath, Eclipse, Quality Center, XML, Java, HTML, Windows.

**Company: Techweb Technologies Pvt.Ltd., India. Feb 10 – Oct 11**

**Role: QA Tester**

**Responsibilities:**

* Analyzed the **system requirements** and developed **detailed test plans** and **test cases** and provided the documentation. Collaborated with product management teams in an **agile** environment to develop a comprehensive set of tests for web-based applications.
* Developed Test Strategy and Test Plan to ensure that test cases reflect user needs for the functional Performance, Usability and Security requirements.
* Identified program variance from functional requirements, and recommended modifications for standardization and increased usability.
* Prepared manual test cases for service appointment creation, modification and deletion. Generated test scripts, and performed functionality testing.
* Wrote manual test cases using quality center and using requirement document. Run test cases from test lab and logged in defects using Quality Center.
* Was responsible for performing integration testing and system testing.
* Coordinated between QA Managers, Developers and Team Members to deliver the quality product.
* Maintained defect tracking in Excel spreadsheet and prepared weekly reporting for the management.

**Environment**: Java, Manual Testing, Quality center, agile, Oracle, Windows.

**Comapny: Proland Software(P)Ltd.,India. Sep 08 – Jan 10**

**Role: Software Engineer**

**Responsibilities:**

* Analyzed requirements, functional specification & required documents for Manual Testing.
* Reviewed project specs and worked closely with BA and Development for creating Test Cases.
* Executed scripts from Test Lab and Test Cases in Quality Center (QC), verified testing results against expected results and tracked defects
* Reviewed and updated Requirements Traceability Matrices (RTM) that satisfy all required project’s test conditions.
* Linked requirements to tests and defects as well as analyzed and tested defects in Quality Center (QC).
* Wrote SQL queries for database backend testing.
* Preparation and Review of End-to-End Test Scenarios/Test Cases, Coverage matrix and Test Data.
* Participated in biweekly and monthly report meetings.

**Environment:** Manual Testing**,** MS Office, Quality Center, SQL, Windows.