**Deepthi K**

**Manual and Automation tester**

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**PROFESSIONAL SUMMARY:**

**6+ years** of experience as **QA Automation Engineer** with focus on manual and automation testing.

* Exceptional knowledge and implementation skills in **Software** **Development** **Life** **Cycle** (SDLC) and **Software** **Testing** **Life** **Cycle** (STLC).
* Expertise in understanding **Business Requirement Specifications**, **Functional** **Specifications** and Design documentations and converting them into **Test** **Scenarios**.
* Experienced in **Waterfall** and **Agile** Projects, worked very closely with Product owners in **Agile** and attended various ceremonies like **Sprint** **Planning**, **Backlog** **Grooming**, **Sprint** **Review**.
* Proficiency in **Manual** and **Automation** Testing of Client/Server, Web-based/Mobile and Cloud (AWS) applications.
* Exceptional ability in designing and creating automation frameworks using **Java** language, **Selenium WebDriver, Maven, TestNG, Cucumber,** **Jenkins** (CI/CD).
* Extensive experience working with **Test-Driven** (TDD), **Data-Driven** (DDT), **Behavior-Driven** (BDD) test framework by using **Gherkin** language syntax to achieve **Cucumber** implementation**.**
* Expert in developing **Behavior Driven Development** (BDD)
* Developed **Scenarios,** **Scenario outlines**, **Feature files** and **Step definitions** and generated **HTML** **reports**.
* Solid knowledge of **JAVA OOP** and experience in developing **Selenium WebDriver/Appium** test automation frameworks integrating **TestNG**, **JUnit**, **Cucumber** and **Maven** build tools.
* Experienced in implementing the **Page Object Model** (POM) by creating elements for each page object and reusing all the objects in various scripts.
* Worked extensively on performing **Black Box Testing**, **System Testing**, **Smoke Testing**, **Regression Testing**, and **User Acceptance Testing.**
* Extensively used test parameterization methods including **Cucumber** **Scenario Outlines**, **TestNG Data Provider**, **JUnit Parameterized Class** and injecting data from external data sources (Excel, CSV, XML)
* Handled different types of Exceptions and added customized Exceptions in order to track the failure reasons.
* Executed parallel and Cross Browser Tests.
* Cross browser, cross platform web testing experience with **Selenium Grid** and **WebDriver.**
* Hands on experience in testing **Web Services** for **API** testing using **Rest** **Assured** Libraries and **Postman** for manual testing.
* Knowledge of testing **RESTful Services** using **HTTP CRUD** commands such as **POST, PUT, DELETE, GET.**
* Automated Web Services by writing **Groovy** scripts and used assertions for data validation and performed data driven for validating different endpoints.
* Performed Database/Backend testing by writing complex **SQL** queries and connecting to database with **JDBC API** (Oracle, MySQL) for validating the application against the database.
* Working experience with **Jenkins** as **Continuous** **Integration** (CI) server to automate execution of **Smoke** and **Regression** test suites and to create automated **JSON** and **HTML** reports.
* Used **Git** as version control, **GitHub** as code repository and Code Collaborator to manage code reviews. Some knowledge of **Bitbucket**.
* Used **Source Tree** for pushing, pulling the code and resolving the merge conflicts.
* Took part in **Reviewing Pull Requests** created by offshore and onshore automation teams, also created Pull Requests in order to merge the code into Master branch.
* Extensive experience in creating documents like **Test Plan, Text Exit Report**.
* Experience in creating **POCs** (Proof of Concept) in order to implement new technologies in the current project.
* Expertise in documenting defects with high level of detail, accuracy, and informative recreation steps using **JIRA** as project management and defect tracking tool.
* Great documentation and **Process** **Management** skills with an ability to effectively understand the business requirements in order to develop a quality product.

**TECHNICAL SKILLS:**

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| **Testing Tools** | Selenium Web Driver/IDE/GRID, QTP, HP Quality Center, JUnit, Cucumber, Protractor, TestNG, SOAPUI, Appium, JMeter, Load Runner |
| **Language/ Script** | Java, JavaScript, Shell Script, VBScript, C, C#, Python, Gherkin, Power Shell |
| **Frameworks** | TDD, BDD, Junit, Jasmine, Protractor |
| **Firefox Add-ons** | Fire Path, Firebug |
| **Web development** | HTML, XML, CSS |
| **SOA Technologies** | SOAP, REST, Web Services, SOAP UI, Postman, JSON |
|  **Tracking Tools** | HP Quality Center, Bug Zilla, Visual Studio TFS, JIRA, Rally, HP ALM |
| **Build/ CI Tools** | Ant, Maven, Jenkins, Hudson, Git, Bitbucket, Bamboo |
| **Databases Technologies** | MS SQL Server 2000/2005/2016, OLAP and OLTP, Oracle 9i/10g, MS Access 2000, TSQL, Oracle PL/SQL, SQL\*Plus, TOAD, SQL\*Plus, SQL\*Loader, MYSQL |
| **Methodologies** | Agile (Scrum), Waterfall, SDLC, STLC |
| **Test Framework** | Keyword Driven, Data Driven, Hybrid, Page Object Model (POM) |

**WORK EXPERIENCE:**

**Client: CVS Health / Aetna INC, Hartford, CT Dec 2020 to Present**

**Role: SDET/QA Automation Tester**

**Responsibilities:**

* Extensively involved in all stages of testing life cycle, **Test Driven Development** methodologies**,** **Software Development Life cycle** (SDLC) using **Waterfall,** **Agile methodologies.**
* Analyzed business requirements and user experience goals to develop test plans and test cases.
* Reviewed programming code for errors, resolving production launch.
* Performed quality reviews of design documentation to ensure compliance with project plan scope and requirements.
* Developed an automated test framework for evaluating web application products.
* Involvedin **functional testing, black box testing, negative testing, compatibility testing, and recovery testing.**
* Developed test code in Java language using **Eclipse, IDE** and **TestNG** framework.
* Configured **Selenium Web Driver**, **TestNG**, **Maven** tool and created selenium automation scripts in java using **TestNG** prior to **agile** release.
* Experienced to run tests in the cloud different browser platform, operating system for automated and manual testing of desktop and mobile applications using **Selenium, Appium** and **JavaScript** unit testing frameworks.
* Experience in Back-end testing, data validation, Database testing using **SQL queries.**
* Created test scripts using **Groovy script** to automate **web services** in **SOAP UI.**
* **Tested Restful web services using Soap UI and coded in Groovy to develop data driven testing.**
* Involved in validating functional, **Integration** and **Regression** test suites using **Selenium, Cucumber** and the request and response of the **Web Services** (SOA) through **SOAPUI**.
* Integrated with Continuous Integration tools **Jenkins** for running test on nightly basis automatically.
* Automated testing for **Continuous Integration** (CI) and **Continuous Delivery** (CD) pipelines, and provides plugin integrations with the **CI platform**[**Jenkins**](https://en.wikipedia.org/wiki/Jenkins_%28software%29)**.**
* Involved in conducting tests on Web services transactions like automatic bill payment, batch payments and Account transfers sent over **HTTP** or **HTTPS** by inspecting every **XML** request and response using **SoapUI**.
* Tested files on **Datacap Studio** from the **clouds services Azure.**
* Developed automated tests while conducting manual testing to ensure software quality and timely delivery
* Collaborated with product managers and customer service team to address software issues, quickly resulting in a 90% customer satisfaction rating.

**Environment**: Java, Selenium WebDriver, TestNG, Maven, Jenkins, SOUPUI, TDD, Agile, HTML, XML, XPath, Web Services (SOAP & RESTFUL) JavaScript, Quality Centre, Firebug, SQL Navigator, Oracle, Datacap Studio, Azure.

**Client: Verizon, Irving, TX Nov 2019 to Oct 2020**

**Role: SDET/ QA Automation Tester**

**Responsibilities:**

* Extensively involved in all stages of testing life cycle, Test Driven Development methodologies and **Software Development Life cycle (SDLC**) using **Agile**, **Scrum** methodologies.
* Involved in planning, designing and executing different test cases for **Smoke, Functional, Integration, System** and **User Acceptance** and **GUI testing.**
* Developed Test Plan and Test Cases for **REST API/Web Services** testing using **Postman**.
* Automated Restful **web services/API** by using **Rest Assured** library to send various **HTTP requests** and validate the **JSON** response.
* Designed and developed automated scripts for functional, **regression, sanity and integration testing** using automation tool **Selenium with Java.**
* Built automation scripts using Data driven Framework and **TestNG Framework** and conducted using **Selenium with Java**.
* Implemented test automation scripts for mobile testing using **Appium** for **Android** and **IOS** applications.
* Developed automation scripts for **Mobile Native applications** on IOS and Android platforms using **Appium** and **JAVA**.
* Executed **JMeter** scenarios based on complex business scenarios with different monitors for **Stress testing**, **Scalability testing**, **Failover testing**, and **Load testing.**
* Used **JMeter** to simulate java request load on a backend Application.
* Performed back end testing by writing and executing **SQL** queries to validate that data is being populated in appropriate tables and manually verified the correctness of the data with front-end values.
* Wrote **SQL** queries to retrieve the information from the databases to check whether the data has been updated using **MongoDB**.
* Developed new and updated existing Automation test cases using **Selenium WebDriver** and **TestNG**, using **Bitbucket** (**GIT**) as version control system for **Java** based application, using **Maven** as build tool and Continuous Integration tools **Jenkins** for nightly batch run of the scripts
* Involved in Web Application GUI automation creating regression suites using **Selenium** **Web driver**, **TestNG**, and **IntelliJ**.
* Created and maintained **Requirement Traceability Matrix (RTM)** to ensure all the requirements are covered.
* Define, develop, and execute automation test scripts using **Java** that leverage **black and white box testing** across functional, non-functional and performance testing.
* Developed Selenium scripts in **TestNG** for parameterization using Data Provider annotation.
* Established and maintained test cases and test data in **JIRA**
* Used **JIRA** to maintain defect repository and followed the bug life cycle until the bugs are fixed or closed.
* Verified that the Software Quality Assurance Standards are met throughout all phases of development.

**Environment:** Java, Jenkins, Agile, JIRA, SQL, MongoDB, POSTMAN, Selenium Web Driver, Selenium IDE, JIRA, TestNG, Appium, JMeter.

**Client: Nationwide Insurance, Columbus, Ohio March 2018 to Oct 2019**

**Role: Test Automation Developer**

**Responsibilities:**

* Involved in analyzing Business Requirement Documents and Technical Specification document and developed test plan and test cases for testing the application.
* Worked in the **agile** environment with frequently changing requirements and features set.
* Involved in **Scrum Process** based on Project Planning, Test Planning and Coordinating on all SDLC phases.
* Designed Automation Test cases and implemented Hybrid test automation framework and **Page Object Model** using **Selenium WebDriver.**
* Developed test code in **Java** programming language using **Eclipse**, IDE framework.
* Performed **Sanity testing, Smoke testing and regression testing** thoroughly using continuous integration tool **Jenkins**.
* Involved in developing Test Scripts to implement Test Cases, Test Scenarios, and features for Behavior Driven Development (**BDD**) and Test-Driven Development (**TDD).**
* Involved in creating **cucumber** BDD framework and Automated BDD scenarios in Eclipse using JavaScript.
* Used **Selenium WebDriver** and implemented **TestNG** to run parallel testing by creating Groups and categorizing test cases.
* Used **Selenium APIs** such as take Screenshot for failed test cases, select for selecting multiple values from list, Action for various key and mouse event, with different Locators like XPath, CSS, id, Link text, name.
* Implemented **Apache POI** to read the data from external resources in **selenium.**
* Utilized **Quality Center** (QC) as a test management and defect tracking tool.
* Validating the API calls and data for user interface by using Postman, Restful Services and Soap UI.
* Writing the web services automation for Get, Post, and Put methods in services testing.
* Experience with source version tool **Git** and involved in testing performance of the application using **JMeter**.
* Performed web services testing with **SOAP UI** by validating request and response for **XML, JSON** files.
* Used **Maven** as a build tool to manage dependencies and used **Jenkins** as continuous integration server to run automated test suites.
* Creating Jenkins Pipelines for continuous integration of testing scripts and maintaining the existing ones and schedule the Jenkins jobs to run them daily.
* Making Jenkins to trigger build for every code commit made to the GitHub using web hooks.
* Creating **Splunk dashboards**, maintaining already existing ones and integrating Splunk with Jenkins to show the overall failed and successful Jenkins jobs on Splunk Dashboard.
* Performance test plan design and test case design, environment setup for performance testing in JMeter and LoadRunner, Blazed Meter.
* Developed and executed **SQL** queries to verify the proper insertion, deletion and updates into the database.
* Actively participated in daily Agile Scrum meetings and involved in iteration planning.
* Ensured the best user experience by focusing on the quality and integrity of an application for requirement specifications, business logic, user experience and system end-to-end validation.
* Performed ADA testing for visually implanted users.
* Working closely with **TADs** team to identify opportunities for improvement and aligning with the IT standards at Nationwide.

**Environment**: Agile Methodology, Eclipse IDE, Selenium WebDriver, Java, TestNG, Jenkins, BDD, Cucumber, Maven, JMeter, SOAPUI, XML, Quality Center, GIT, SQL server, Windows, ADA.

**Client: Kubra, Tempe, Arizona Sep 2016 to Dec 2017**

**Role: QA Tester**

**Responsibilities:**

* Involved in writing Test Plan, Test strategy and Test Scenarios based on software documentation from business, technical and functional requirements.
* Involved in various stages of development of the project starting from the project planning until production and maintenance using **Agile methodology**.
* Implemented **Black-Box Testing, Functionality, GUI and Regression Testin**g for the entire application, for various builds in a team environment.
* Performed **Smoke testing, Sanity testing**, **Functional testing, Cross-Browser testing**, **Regression testing, Manual** and **Automation testing, Integration testing, Backend validation testing and End to end testing.**
* Performed Rest **API testing** using Postman, Rest-assured and Java.
* Developed automation framework using **Selenium WebDriver** in **Java** programming language.
* Performed Compatibility testing of applications for dynamic and static content of browsers using HTML ID’s and XPath in Selenium.
* Used **POM** model to create the reusability of same objects for different tests.
* Manually performed Ad-Hoc testing, end-to-end testing, and system testing.
* Executed and evaluated **manual test cases** and reported test results.
* Prepared Defect Report as per **severity** and **Priority.**
* Utilize manual tools to test back end features (SQl, POSTMAN).
* Find and document bugs, issues and observations for further investigation.
* Fixed a disorganized confluence page on JIRA to better understand the state of the project.
* Performed the sanity testing and reported the status to TL.
* Performed functional, database, regression and exploratory testing.
* Black Box testing methodologies like functional, usability, regression was performed.
* Configured **SQL queries** to fetch data from the Oracle database.
* Attend Daily status meetings to discuss feature priorities and test timelines.
* Closely interacted with the Development and Business teams in resolving the bugs.

**Environment**: Agile, Java, Selenium, Appium, Jenkins, Oracle, Cucumber, XPath, Data Driven and Key Word Driven Frameworks, Windows.

**Client: Iland Technologies, Hyderabad, India June 2013 to Dec 2014**

**Role: Jr. QA Analyst**

**Responsibilities:**

* Designed the efficient **manual test cases** based on analysis of Business Requirement Documents, Functional Specifications, Technical design documents and Use Cases.
* Used **Waterfall** methodology for implementation purpose.
* Involved in all stages of Software Development Life Cycle (**SDLC**), Software Testing Life Cycle (**STLC**) and Defect tracking life cycle.
* Performed **System testing, Integration testing, Black box** and **White box testing.**
* Performed **Ad-hoc testing, Functional testing** and **Regression testing** on web-based applications.
* Responsible for all types of tests like Functionality Testing, Load Testing, Documentation testing, User Acceptance Testing, Browser compatibility testing and maintain technical design documentation in **Windows environments.**
* Preparation of Test Cases as per the functionality requirements in the**Quality Centre** and mapping the requirements to the test coverage to ensure proper coverage.
* Reported the defects using defect tracking tool **Quality Center** (QC)**.**
* Used **DOM** and **XML** parsers for data retrieval.
* Involved in writing **SQL** queries for each Test Case and executed them.
* Created and maintained reporting templates for efficiency and documented day-to-day quality checks for the product.
* Involved in project meetings and Interacted with other team members to resolve the problems.

**Environment**: Waterfall, Quality Center, Windows, Java, java-script, HTML, SQL, Oracle, DOM, XML.