**Karuna**

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Professional Summary:

* Around 10 years of diverse experience as Quality Assurance Analyst with both Manual and Automation Testing using Java and Selenium Web driver tools.
* Extensive knowledge of QA methodology, software development life cycle (SDLC), software testing life cycle (STLC), Waterfall and AGILE methodologies.
* Experience in various testing techniques like Performance testing, Functional testing, Graphical User Interface testing, Regression testing, Ad-hoc testing, Security testing, Usability testing, End to end testing, Integration testing, System, User Acceptance testing.
* Experienced in developing applications using Spring Boot, Spring 4, Spring profiles and various other modules from spring framework.
* Experience with Test Automation tools such as Cypress, Selenium, TestNG, Jmeter, Junit.
* Experience in Mobile Automation in Testing using Espresso Android Automation tool.
* Experience with ios App UI Automation Testing framework KIF(Keep it Functional) XCUI Test Framework in Xcode using Objective-c.
* Worked on BDD Cucumber/ Gherkin format for test scenarios using acceptance criteria.
* Hands on experience in Test automation using different Automation tools and techniques by using Selenium Web Driver/IDE, Testing, Cucumber, Maven, Fire Path, running scripts in different environment, Extracting Test results, Cross browser testing, and data validation.
* Experience in testing API using Rest Assured and Karate Framework.
* Experience with Web Technologies: HTML, CSS, JavaScript, Xpath, XML, Java, J2EE, JDBC, Log4j, Maven, Fire Path, Firebug, Testing, Junit Technologies.
* Automating Restful API using Apache HTTP Client, TestNG, Log4j, JXL, json and JAXB Parsers.
* Experienced with SOA, Web Services, SOAP, RESTFUL, WSDL technologies.
* Solid understanding of current web and internet technologies like Apache, Tomcat, Cassandra, Camunda and Mongo DB.
* Proficient in Testing SOAP and RESTFUL Web Services using SoapUI.
* Hands-on experience in using test management and defect tracking tools such as Jira, HP Quality Center and Confluence.
* Developed BDD tests using Cucumber by writing features and Developed Required Selenium support code in Python for Cucumber.
* Have extensive working and understanding Knowledge of programming languages like C# and Java.
* Hand on experience in test and defect management tools such as Quality Center, TFS, Clear Quest, Clear Case, Rational Functional Tester RFT, Microsoft Test Manager MTM, Team Foundation Server TFS and JIRA.
* Extensive experience of Web Services, SOAP and REST API Testing using UFT API, Restful API, Apache JMeter, Postman and SoapUI.
* Proficient in defect life cycle with defining defects, categorizing bugs based on severity and priority, carried out defect reports using different defect tracking tools/excel sheet.
* Configured Selenium WebDriver, PyTest, pip tool and created selenium automation scripts in python.
* Experience in Testing Database Applications of RDBMS in Oracle, MS SQL Server, MySQL.
* Hands on Experience with Linux/Unix Environment. Testing Experience with Linux command line by applying analytic skills and knowledge.
* Initiative, optimistic, dependability and creativity to get the writing daily testing report to explain all day-to-day activities and weekly testing report which contains overall status of week.

**EDUCATION:**

* Master’s in computer science from American college of commerce & Technology 2017

**Technical Skills:**

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| Testing Tools | Selenium WebDriver, Karate, Rest assured, Selenium Server, Selenium GRID, Cucumber, TestNG, GIT, Appium, Scala Based Testing using SBT, Postman, Swagger, Android Studio, Python , XCode Selenium RC, JUnit, Firebug, SoapUI, REST API, Sauce Labs |
| Programming | SQL, Python, Java, HTML, CSS, JavaScript, Scala, Scala-Test XML, JSON |
| IDE | Eclipse, Android Studio, Visual Studio, IntelliJ |
| Defect Tracking Tools | Jira, Bugzilla, HP ALM, HP Quality Center |
| Build Tools | Maven |
| Testing Frameworks | Page Object Model (POM), Data Driven, Keyword Driven, Hybrid Framework |
| Continuous Integration Tools | Jenkins |
| Project Methodologies | SDLC, STLC, Agile (Scrum), Waterfall |
| Databases | Oracle, MySQL, PostgreSQL, SQL Server |
| Browsers | Internet Explorer, Mozilla Firefox, Google Chrome, Safari |
| MS Office Tools | Outlook, Word, Excel, PowerPoint |
| Operating Systems | Windows 7/8/XP/10, UNIX, LINUX |

**PROFESSIONAL EXPERIENCE:**

**Client: Tech Mahindra Americas Inc/AT&T-Redmond, WA**. **Feb 2020 – Present**

**Role: SDET/Sr. QA Automation Engineer/Lead**

**Responsibilities:**

* Interacted with the Business Clients, Product Owners, Developers and **QA**Manager for clear exposure to trickle down the technical/functional User Requirements & Change Requests to Test Plans and Test Scenarios.
* Identified test cases to automate. Automate those test cases using Selenium Web Driver, TestNG and Java technologies (Eclipse IDE), UFT. Contributed to framework creation.
* Perform Functional Testing, Regression Testing, System Integration testing, (UAT) User Acceptance testing, and End to End Testing.
* Responsible for executing Selenium test scripts on different browsers and checking for compatibility.
* Tested the application in a highly dynamic environment with scrum team using Agile methodology.
* Automated Test cases using Selenium for Regression testing and **TestNG**for grouping the tests.
* Extensively used methods like Get Text (), Get Title (), Drag and Drop, keys, Select, List Array, Iterate, implicitly wait, 'iframes’, Menu options, Actions etc. to build selenium **automation**test scripts.
* Designed and Developed BDD Based automation framework for microservices which is implemented using feature files written in cucumber and implementation of step definitions in ruby.
* Performed SIT Testing activities (as a part of manual testing) to evaluate and support Microservices by providing end-to-end application testing and by providing technical support.
* Created and enhanced numerous test scripts to handle changes in the objects, in the tested application's GUI and in the testing, environment using Selenium Web Driver.
* Involved in creation of automation framework in Selenium Web Driver using behavior data driven approach like **Cucumber**. Extensively used Page Objects design and page navigation framework for readable test script and easy maintenance from developer perspectives.
* Rest/SOAP web services virtualization & testing using CA ITKO Lisa.
* Good knowledge of Object-Oriented Programming (OOP) concept. Extensively used Java and Ruby for test case automation.
* Written gherkin and **Ruby** scripting automation test scripts to execute in Cucumber.
* Created automation framework using **POM- Page Object Model**, and Data Driven framework to test web application. Thorough understanding of POM using Page Factory.
* Converted commercial **QTP Scripts**to open-source Selenium Web Driver scripts to maximize the profits of the company without compromising Quality.
* Involved in using Jenkins as a Continuous Integration server to configure with Maven.
* Used Selenium Web Driver API to automate tests on cross browser and cross platform environment. Sound knowledge of Object-Oriented Programming concept and Java Language.
* Integrated Automation scripts (Selenium Web Driver API) on Continuous Integration tools Jenkins for nightly batch run of the Script. Created Project plan on Jenkins, configured scheduled using Cron job.
* Used Selenium WebDriver with TESTNG and **sauce labs**for front-end automated Testing and cross browser testing.
* Configured Selenium Web Driver, **TestNG**, Maven tool and created selenium automation scripts in java using TestNG prior to agile release.
* Performed Unit testing with TestNG test framework and used Bromine for easy running the test and store the result for analysis the test.
* Implementation of test automation framework using Test complete and Jenkins CI
* Wrote and edited automated test scripts using **JScript**in Test complete and java in Selenium.
* Responsible for articulating, implementing, and supporting continuous integration using TFS and Team Build.
* Automated REST API using Rest Assured APIs configured into Maven **POM.XML**and code multiple methods to send requests and receive the responses and validate the https status codes.
* Involved in testing Web Services using Ready API/SOAP UI tool by consuming the WSDL file.
* Developed test scripts for web services using SOAP UI and worked with XPATH.
* Used Espresso for Mobile app testing in Android and IOS.
* Used AngularJS as framework to create Single Page Applications which can bind data to specific views and synchronize data with server.
* Supported Single Page Applications when client changed his query condition using **AngularJS**which includes Routing, Directives, and Templates.
* Involved in testing GUI by using different tools like UI Automator, Espresso
* Used XPath for both database operations and in SOAP response verifications.
* Identified the Test Scenarios based on Functional Specifications and Business Requirements.
* Performed web services testing with **SOAP UI**and Performed Security testing for employee login validations.
* Used firebug to identify object's ids, Name, XPaths, links in the application.
* Acted as build and release engineer, deployed the services by VSTS (Azure DevOps) pipeline. Created and Maintained pipelines to manage the IAC for all the applications.
* Understand the latest features like (Azure DevOps, OMS, NSG Rules, etc..,) introduced by Microsoft Azure and utilized it for existing business applications.
* Used HP Mercury Quality Center/ALM for Test Management for functional Test Automation.
* Provide all data validation through SQL queries UNIX commands to perform Back-end testing.
* Experience using Version control systems like Visual Source Safe (VSS) and Team Foundation Server(TFS).

**Environment:** Selenium WebDriver, Core Java, Cucumber BDD, TestNG, Junit, Jmeter, Load Runner, Microservices testing, Eclipse, VS Code, JavaScript, C#, SOA Tester, NPM Super tests, sauce labs, Jenkins, Maven, Gradle, Angular JS, Nightwatch.Conf.Js, Azure, ATDD, Python scripting, Espresso, VSTS, SQL, ALM, GIT, Maven, JIRA

**Client: AT&T, Redmond, WA Dec 2018 – Jan 2020**

**Role: Mobile Automation Test Engineer**

**Responsibilities:**

* Worked in Automated and manual Testing Mobile Application Testing for **IOS** and **Android**(Mobile) applications using **Nodejs** Framework. **Continuous Integration and deployment**.
* Used **Android** emulators and **IOS** simulators to perform the Mobile Automation testing.
* Worked on **Android/IOS Mobile native application** testing by using Appium, Android SDK, Xcode tools and executed the automated test scripts.
* Involved in acceptance testing **using Cucumber and Selenium WebDriver**.
* Used **Android SDK** in Android Studio for establishing emulators in Android devices and **XCODE**for establishing simulators in IOS devices.
* Created Page Object Model Mobile automation framework on both IOS and for Android using Appium.
* Used Appium for native, hybrid Mobile application testing for Ios and Android platforms and Developed scripts using Java script.
* Integrated the test suites to Jenkins to execute them automatically after every successful deployment.
* Used Jenkins continuous integration server to run automated test suites.
* Responsible for writing frameworks Data Driven, Page Object and Cucumber from scratch to perform automation testing for web applications.
* Worked with Team Foundation Server (TFS) for version control, source control, bug reporting and project documents.
* Involved in extensive data validation, back-end testing and querying the database using SQL server.
* Used SQL queries to perform Select, Update, Delete, Insert and Join statements.
* Expertise in writing SQL queries, SQL Scripts and performing database testing.
* Used Microsoft Team Foundation Server(TFS) to open bugs, create tasks and user stories, initiate Change requests.
* Handled High severity issues on priority.
* Involved in Agile (Scrum Process) methodology-based Project Planning, Test planning and Coordinating on all SDLC phases.
* Prepared weekly productivity reports and submitted test metrics to the management.
* Attended day-to-day meetings for providing regression status of existing functionality.
* Co-ordinate with Developers, users, and various members of the team to discuss and resolve defects as well as their priorities / severity.

**Environment:** Java script, cucumber, node JS, SQL, Appium, Android SDK, Xcode, GIT, Jenkins, TFS, Command line, XPATH, Firebug, Fire path, XML, HTML, CSS, agile, SQL.

**Client: Fannie Mae, Reston, VA. July 2017 –Nov 2018**

**Role: Sr. QA Automation Engineer**

**Responsibilities:**

* Interacted with Business Clients, Product Owners, Developers and QA Manager for clear exposure to trickle down the technical/functional User Requirements & Change Requests to Test Plans and Test Scenarios.
* Identified test cases to automate then tested these cases using Selenium Web Driver, Test NG and Java (IntelliJ/IDE). Contributed to framework creation.
* Developed automation framework using Selenium, Cucumber, Maven and TestNG with Java, Restful API and Postman in QA Automation tools Discovery.
* Created a prototype using Spring Boot tool with Mongo Db to demonstrate working design.
* Developed the features, scenarios, step definitions for BDD (Behavior Driven Development) and TDD (Test Driven Development) using Cucumber, Jenkin, and ruby.
* Experienced in using Swagger for REST API specification.
* Used Swagger to get REST API Specification and Documentation, Created and Tested Mock Service for the specification using SOAPUI Pro.
* Create, manage, and execute GUI & API automated tests in PyCharm using Python, Selenium and Robot Framework.
* Developed Restful Web Service testing framework with Rest-assured to build robust and scalable web service testing.
* Create/maintain test suites in JavaScript, Python and Robot Framework.
* Cognitive about designing, deploying, and operating highly available, scalable and fault tolerant systems using Amazon Web services(AWS)
* demonstrate working design Boot and used Spring cloud to load dynamic configurations.
* Involved in testing both SOAP and REST services using Rest-Assured and tested both XML and JSON formats.
* Used Rest-Assured for REST API automation using Java.
* Responsible for executing the Automation Back-end tests automation of Restful APIs using Micro Tester (built on Rest-Assured and TestNG) and the project management tool Maven.
* Tested the application in a highly dynamic environment with sprint team using Agile methodology.
* I worked extensively on testing Crystal Reports, Active Dynamic reports and Business Object Reports.
* Experience in Selenium Robot Framework for automation testing of BO reports.
* Have excellent working and understanding Knowledge of CI/CD process and tools like TFS, Jenkins, TeamCity, and Atlassian.
* Involved in Mobile Testing includes App Testing. Test automation for web application using Cucumber.
* Performed the Mobile Testing for Mobile App, identify the Mobile Platform like IOS, Android by using Appium.

**Environment:** Java, Windows, Oracle, Robot Framework, Load Runner, and Quality Center, QTP, Grid, MySQL, Camunda Services, Swagger services, MongoDB, Selenium Web driver, Ruby, SoapUI, REST API, Confluence, JIRA.

**Client: Raghuram Pharmaceuticals, Hyderabad, India Aug 2014 – Nov 2015**

**Role: Automation Engineer/Quality Analyst**

**Responsibilities:**

* Designed, developed, and implemented POM based automation testing framework utilizing Java, TestNG and Selenium WebDriver.
* Involved in automation of the test cases using Selenium RC, Junit, and Ant.
* Scheduled testing jobs and set up the flag to run automation scripts on Jenkins as a part of the Continuous Integration process every time there is a bug fix, new feature development, or innovative functionality in code repository (Git).
* Executed the test plans on web and mobile (Apple and Android) as per requirements using Appium tool.
* Generated Weekly Reports, Defect Reports and Customized Summary Reports.
* Advocate for bug fixes in a start-up environment by presenting well-written bug reports and working with developers directly.
* Implemented simulator for Mobile App Testing on Android Platform using Appium.
* Created tests with Assertions like Schema Compliance, SOAP, XPath assertions using SOAPUI.
* Involved in testing Web services and XML with SOAPUI. Used this tool to locate WSDL files on the internet, created test cases, load testing, security testing.
* Performed Grey Box testing, validating the data from source to target.
* Used Selenium to expand test scenarios to catch more bugs and improve quality.
* Involved in the Continuous Integration of the automation framework with Jenkins.
* Cucumber was used for entire regression testing and functional testing with primary tools such as Selenium to test Scenarios, Test Cases and Test conditions identified.
* Performed regression Testing on various O.S devices and their respective simulators and actively participated in executing the test scripts on android and IOS.
* Identified bugs and validated specifications through black box testing techniques (like test matrices, combination testing, and risk analysis) and gray box testing techniques (like database querying and source code analysis).

**Environment:** Java, Selenium, Web Driver, SQL, SOAPUI, Eclipse IDE, JUNIT, Cucumber, JIRA, Appium

**Client: I-Process Services Pvt Ltd (ICICI Bank), Hyderabad, India Oct 2012 – July 2014**

**Role: QA Engineer**

**Responsibilities:**

* Reviewed design documents and business requirements to learn the function and scope of the application.
* Involved in writing and implementation of the Test Cases.
* Conducted Functionality testing during various phases of the application using UFT.
* Inserted Check Points to check for the broken links, text, and standard properties of an object using UFT.
* Performed Integration Testing and Batch Testing.
* Tracked and reported defects using Test Director.
* Participated in all phases of the Software Testing Life Cycle.
* Developed test related documents including Test Plans, Test Procedures, Test Cases and Test Scripts.
* Conducted Integration, Regression, Acceptance, Functional, Performance and Multi-User tests.
* Utilized test methodologies and automated the functional testing.
* Performed data driven tests using test data from excel files and created different checkpoints.

**Environment:** JIRA, Agile Methodology, QTP, UFT, Rally, Quality Center, Eclipse.