**Ravi Gurram**

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1. **504 3044**

**Lead QA Automation Engineer**

**Professional Summary:**

* With over 13+ years of experience, I have successfully managed multiple testing projects for **Web, Mobile and Windows**-based applications as a **Quality Analyst/Application** Tester. My expertise lies in utilizing software testing tools such as **Selenium, QTP(UFT), SOAP UI, ReadyAPI and Quality Center,Test Complete**, particularly in the domain of **automated software testing**.
* Expertise in various automation tools such as **Selenium, QTP**, **UFT,Test Complete** **WebDriverIO** and the performance testing tool **JMeter**. My experience includes conducting IT testing on **Client-Server, Web,** and **Database** applications, as well as a range of technologies.
* Proficient in all stages of the **Software Development Life Cycle (SDLC), Software Testing Life Cycle (STLC), and Agile Testing Life Cycle (ATLC)**.
* Extensive experience in conducting **Manual Testing, API Testing, and Automation Testing, iOS, Android Mobile Application Testing** with a high level of competence.
* Comfortable in interacting with **Developers, Project Managers** and **Product Analyst’s** regarding test status.
* Proficient in developing and executing **Test cases**, analyzing the test results, **logging defects**, **producing defect reports**.
* Actively participated in various testing activities, including preparing **Test strategy**, **Effort estimation**, **Test plan**, **Designing Test Scenarios**, **Test Script designing**, and generating **Test summary reports** for manual testing. These tasks were performed based on **User requirement documents** and **Design documents**, ensuring thorough T**est coverage** and adherence to project objectives.
* Good exposure towards testing techniques and Expertise in **GUI**, **Functional**, **Integration**, **System Testing**, **E2E Testing**, **Regression Testing**, **Performance Testing**, **RESTful**, **SOAPUI** testing and **web application testing** for **SAP FieldGlass**, **ServiceNow**, **SalesForce** using **Robot** Framework.
* Experience in testing Web based (**.Net, Java, Springboot, MicroService, SAP modules, Salesforce, Python, API, AngularJS, BO applications**) and Mobile, Windows based Applications.
* Designed and documented **REST/HTTP, SOAP APIs,** including JSON data formats and API versioning strategy.
* Expertise in various **Software Development Lifecycle** (**SDLC**) methodologies, including **Agile** and **Waterfall**. Additionally, I have gained significant exposure to Agile methodologies such as **Scrum** and **Kanban**.
* Worked on multiple projects, and extensively involved in **User acceptance testing (UAT), End to end, System Integration Testing (SIT), Functional Testing, Regression Testing, Validation testing, Backend testing, Performance Testing, batch process testing, GUI testing, Browser Compatibility testing and Cross-Browser testing(Sauce Labs).**
* Experienced with full **SDLC**, architecting scalable platforms, **DB** design and **Agile** methodologies. Also, Strong experience using **Web** Services and **APIs** in **python**.
* Good understanding on **Django** **ORM,** **SQL** Alchemy And also Experienced in interfacing with third party **API’s** using **REST** and **SOAP.**
* Experienced in working with various Python Integrated Development Environments like **IDLE**, **PyCharm**, **Eclipse** and **Sublime Text**.
* Proficient with a variety of **Relational Databases** (RDBMS) like **SQL**, **My SQL, PostgreSQL, Oracle,** and **MongoDB**.
* Good knowledge in maintaining various version controls systems such as **GIT**, **SVN**, **CVN** and **Source Tree,** Deep understanding of **HTTP** methods, **Restful** architecture.
* Involved in Unit testing and Integration testing of the code and Strong experience on Scripting like **JavaScript**, **VB Script**, **JAVA programming,** **Python** and **data bases** like **Oracle, SQL** Server.
* Implemented **Data Driven** Framework using **WebDriver** andProficient in writing **SQL Quieres** and develop stored procedures.
* Done automation testing using automation tools **Selenium**, **QTP**, **Manual testing, Backend testing** and creating automation testing environment.
* Experience in understanding code written in different programming languages like **Java, Java Script, Python, SQL and databases like oracle, SQL server** and **MongoDB.**
* Created the Validation Rules, workflows for automated lead routing, lead escalation and Email Alerts.
* Incorporate Feedback for A Robust Test Automation Strategy In **CI/CD** Pipeline.
* Strong experience in **Cross browser testing** and **parallel execution**, Executed test scripts on IE, Firefox, Safari & Google chrome.
* Proficient in **Bug Severity analysis, Bug tracking system and Bug Reporting**. Can prioritize issues based on important, urgent, and hot fixes and Proficient in Tracking and Reporting defects using Industry and Internal tracking tools like **Quality Center, Jira, and Bugzilla.**
* Proficient in analyzing system requirements, use cases and other documents to gain overall understanding of the applications to determine the appropriate level of testing required and creating **Test plans/ Test Strategy** and test cases based on requirements.

**Technical Skills:**

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| --- | --- |
| **Languages**  | Java, HTML, XML, SQL, PL SQL, CSS  |
| **Automation Tools** | Selenium Suite (Selenium IDE, RC, Grid and WebDriver), Cypress, QTP, Junit, TestNG, SOAP UI, QTP, Test Complete, Robot Famework, Tosca, PlayWright,WebDriverIO,Rest Assured, RESTful APIs, ReadyAPI. |
| **Scripting Languages** | JavaScript, Python |
| **Defect Tracking Tools** | HP Quality Center, JIRA, Polarian.  |
| **Development Environment**  | Eclipse IDE, IntelliJ IDEA, VS Code, Sublime Text Editor. |
| **RDBMS** | MySQL, MS-SQL Server, MS Access, Oracle  |
| **Misc Tools**  | MS Office, ANT, Log4J, Maven and SVN, SAP FieldGlass, ServiceNowSalesforce CRM, OmniChannel,Retail,OMS,ERP,POS, eCommerce, iOS, Android Mobile |
| **Continuous Integration Tools** | Jenkins, Hudson,Circle CI, Docker, Kubernates |
| **Databases** | Oracle 11g/10g, SQL Server, Mongo DB |
| **Operating Systems**  | Windows, Mac OS, UNIX, LINUX, Andriod, iOS |

 **PROFESSIONAL EXPERIENCE**

**Client : VISA Jan 2021 – Present**

**Austin, Texas**

**Company: Wipro**

**Role:** **Lead QA Engineer**

 **Responsibilities:**

* Demonstrated expertise in using the automation testing framework for end-to-end testing of web applications. Developed and maintained automated test suites using Selenium WebDriver, ensuring robust and reliable test coverage for web applications.
* Designed and implemented test strategies, including test case creation, test data management, and test environment setup, utilizing Selenium Webdriver as the primary testing tool and Created automation test scripts using Java to simulate user interactions, validate UI elements, and verify application functionality.
* Configured and managedsecurity features such as **IAM policies**, security groups, and encryption.
* Configured **Selenium WebDriver, Robot Framework**, **Maven** tool and created Selenium automation scripts in **Java** and **Python** using **TestNG** for Both **UI** and **API , Performance Tests** prior to agile release for **SAP FieldGalss** Applications.
* Design and develop automated test scripts using **Cypress** automation Tool.
* Developed a framework using **playwright** to automate **backend API’s** and UI automation.
* Create comprehensive test cases and test plans to verify **SQL Queries**, **stored procudures**, and database funntionality.
* Verify that data is accurately **retrieved**, stored, and updated in the database as per **business logic**.
* Conduct functional, integration, and regression testing on databases and validate database schema, triggers, views, and relationships.
* Evaluate databse **performance** under **load testing** and **stress** scenarios, identify **slow-running** queries and suggest optimizations.
* Design and implement **performance test scripts** in **Apache Jmeter** to simulate user behaviour.
* Create test scenarios for load, stress, endurance, spike, and vloume testing.
* Parameterize **scripts** to handle dynamic data and **simulate** realistic user inputs and implement correlation and assertions to ensure proper **request/response** handling.
* Performing automation using **Postman** and validating services that exposed to intra / inter network, Using **Mongo DB** to query tables and view for data and Running **No** **SQL** Jobs which perform data transfers.
* Validate overall product quality standards with development and business teams. Define and execute both the project and release level Test Strategies, Test Plans and Test Cases/Scripts which span across multiple, internal QA Product Teams, writing **UI**, **API** test cases using **Zephyr** and **Jira on Salesfoce CRM.**
* Work with the Manager to research, investigate, implement, and train other QA Testing resources in the areas of Agile Testing Practices, Test Driven Development, Testing Automation and managing Testing Metrics for publication to Upper Management.
* Evaluating the Business Functionalities with **Tricentis Tosca** Test Automation tool.
* Work with various project/product-based testing efforts across multiple applications (including End to End Test efforts). Act as the escalation point for all testing related issues, provide the QA perspective & use Java Script to catch the defect data in various environments.
* Worked on **Credit**/**Debit** Card Service Applications in order to Check the Card Standered **protocals**.
* Good hands on experiece in **AWS**, **Auzure Cloud** with Python Test Automation.
* Coordinate with team members for testing activities, participating in Requirements Ambiguity, & Use Case / User Story Reviews, and conduct QA analysis & test support activities.
* Writing & Executing Complex Query’s to validate the Business usecases in order to achive the Business Needs.
* Experience taking Business requirement and writing technical requirement using **BDD for SAP FieldGlass.**
* Validated soap response using various Assertions such as **XPath**, **SOAP** **Fault**, **Schema** Compliance etc.

**Environment**: Java, Selenium WebDriver, Test NG, SOAPUI, Cucumber, Maven, XPATH, Eclipse, Jenkins, Fire path, Firebug, Python, HTML, XML, agile, Quality center, Coded UI, Test Manager, Mobile Testing, SQL, Oracle, and Windows.

**Client : Sandvik Sep 2017 – Dec 2020**

**Alachua, Florida**

**Company: Sandvik**

**Role: Automation Test Engineer**

**Responsibilities:**

* Interacted with Project manager, business analysts and developers to understand the application design and functional specifications.
* Effectively implemented different QA methodologies/policies, strategies and plans in all stages of **SDLC**.
* Designed and Developed Test Cases for automated testing using **Selenium, Junit, and Eclipse IDE.**
* Involved in creation of automation framework in Selenium WebDriver using behavior driven approach like **Jbehave, Cucumber.**
* Created and maintained automated test script for **UI** and **API Automation** testing using Junit.
* Automated Smoke and Functional test cases using **Selenium WebDriver, Robot Framework Junit, and Java** (**Eclipse IDE**).
* Integrated Automation scripts (**Selenium Webdriver**) in Continuous Integration tools (**Jenkins**) for nightly batch run of the **Selenium WebDriver API** Script. Created Project plan on **Jenkins**, configured scheduled using **Cron job.**
* Performed Data driven testing using Selenium WebDriver and **Junit** functions which reads data from property and **XML** files.
* Create comprehensive test cases and test plans to verify **SQL Queries**, **stored procudures**, and database funntionality.
* Verify that data is accurately **retrieved**, stored, and updated in the database as per **business logic**.
* Conduct functional, integration, and regression testing on databases and validate database schema, triggers, views, and relationships.
* Evaluate databse **performance** under **load testing** and **stress** scenarios, identify **slow-running** queries and suggest optimizations.
* Design and implement **performance test scripts** in **Apache Jmeter** to simulate user behaviour.
* Create test scenarios for load, stress, endurance, spike, and vloume testing.
* Parameterize **scripts** to handle dynamic data and **simulate** realistic user inputs and implement correlation and assertions to ensure proper **request/response** handling.
* Used **ANT** to build and run the **Selenium** automation framework. Once the script got over, framework used to send the automation reports over email.
* Developed **ANT** Build scripts to run Sanity Test scripts developed in **Selenium WebDriver.**
* Strong understanding of Node.JS internals and systems
* 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 WebDriver, Junit, Ant** and **Jenkins.**
* Designed and documented **REST/HTTP, SOAP APIs**using **JMeter** data formats and API versioning strategy.
* Used **Selenium WebDriver** used to test search results of Meta search engine.
* Used **Firebug/Fire path** to do web-based application testing with **selenium** for the commands and locator application.
* Responsible for implementing **LoadRunner, JMeter Performance Tests**based infrastructure.
* Wrote Ant build scripts to automate the compilation and execution of **JUNIT** test cases/suites for Lens Measurement screen, Lens Type Screen, Aftercare screen and two eye replication screens.
* Performed Regression testing of applications after defects are fixed and any new functionality is implemented into the QA. Supported the Business team for executing **UAT test cases.**
* Performed Database Change Verification testing using **Oracle and SQL queries**.
* Verified data integrity by back-end testing of the application by writing **SQL queries**.
* Uploaded test cases executed test cases and logged **defects/bugs** in Quality Center.
* Used BDD framework with **Cucumber, Java** and created future files with scenario and scenario outline files.
* Responsible for implementation of Hybrid Test Automation Framework, Page Object Model using Selenium WebDriver, TestNG and Maven and Java.
* By using Appium, java developed the **automation script** for the mobile applications.

**Environment:** Selenium WebDriver, Junit, Jenkins, Ant, SoapUI, Cucumber, Appium, Web Services, JavaScript, XPath, Eclipse, Firebug, Fire path, Google Chrome, Mozilla Firefox, Internet Explorer, HTML, SQL, Quality Center, Windows.

**Client : Truckstop Jan 2016 – Aug 2017**

**Dallas, Texas**

**Company: Calpion Inc**

**Role: SR Quality Analyst -SDET**

**Responsibilities**

* Developed and executed test plans and test cases based on business requirements and functional specifications.
* Involved in using Quality Center for managing the defect. Performed manual Back-End testing by writing SQL Queries for validating user information in the tables.
* Performed **functional**, **integration**, **black-box**, and **system**, **regression**, and **user acceptance** tests.
* Desiging and executing test plans for **salesforce** implementations or updates.
* Hand-on experience testing **salesforce** applications, including custom objects , workflows, validation rules, and triggers.
* Enhance test frameworks and develop automated tests using **Selenium Web Driver** to ensure consistency.
* Developed the **features**, **scenarios**, **step definitions** for **BDD (Behavior Driven Development)** and **TDD (Test Driven Development)** using **Cucumber, Gherkin,** and **ruby**.
* Involved in analyzing and feasibility check of a newly added functionality for automation. Design and implement Hybrid **Driven Framework** approach using Selenium Web Driver.
* Used **python** to develop Automation framework to Validate **RESTful** Web Services.
* Used **SVN** tool for **Source code management** and used **Selenium Grid** for parallel, Batch Test Execution.
* Performed Manual Testing of this Web application and automated it by using selenium.
* Ran performance testing to check the server’s stability and performance using **JMeter**.
* Strong working knowledge of running API load testing using tools like **JMeter**, SOAP UI test Suite.
* Worked under **Agile Scrum** Methodology.
* Reported the bugs/defects through **JIRA.**
* Responsible **for Setting up Web Services project using WSDL in SOAP UI and provided setup help to other team members.**
* Performed functional testing of **SOAP and RESTFULL Web Services using SOAP UI Tool.**
* Involved in **SOAP & REST** based web servicestesting using **SOAP UIPRO** web services testing tool.

**Environment:** Salesforce, Selenium WebDriver, Junit, Jenkins, Ant, SoapUI, Cucumber, Appium, Web Services, JavaScript, XPath, Eclipse, Firebug, Fire path, Google Chrome, Mozilla Firefox, Internet Explorer, HTML, SQL, Quality Center, Windows.

**Client : Unilever Sep 2014 - Jan 2016**

**Role: Senior Software Test Engineer**

**Company: Test Labs Inc**

**Responsibilities:**

* Reviewed all the Requirement documents, Functional Specification and Use Case documents.
* Analyzed the use cases provided by analysts and **wrote test cases**.
* Developed test cases, test scenarios and test data according to specifications.
* Analyzed the functionality and designed test cases for both **functional** and **regression** testing and editing of automated script by inserting logical commands to handle complicated test scenarios.
* Used **Test Director** to store all testing results, metrics, implemented test plan document, created test cases, defect tracking and reporting.
* Performed **functional**, **integration**, **black-box**, and **system**, **regression**, and **user acceptance** tests.
* Automated Regression Test cases using **Selenium Web Driver**, **Jenkins,** and **Maven**. Used **Firebug** and **Fire Path** plug-ins to find the elements on the web page based on the element locator ID, Name, Tag, Class Name, XPath, ShadowDOM, Link Text, Partial link Text and CSS Locator.
* Enhance test frameworks and develop automated tests using **Selenium Web Driver** to ensure consistency.
* Developed the **features**, **scenarios**, **step definitions** for **BDD (Behavior Driven Development)** and **TDD (Test Driven Development)** using **Cucumber, Gherkin,** and **ruby**.
* Used **python** to develop Automation framework to Validate **RESTful** Web Services.
* Used **SVN** tool for **Source code management** and used **Selenium Grid** for parallel, Batch Test Execution.
* Developed test suite for all the Web service operations in the **SOAP UI test tool**.
* Used TFS for life cycle management such as user stories, bug management and team communication. Also, used **Team Foundation server (TFS)** source control to deploy applications.
* Tested the application in highly dynamic environment with sprint team using **agile methodology**.

**Environment**: Selenium WebDriver, Junit, Ant, SoapUI, Cucumber, Web Services, JavaScript, XPath, Eclipse, Firebug, Fire path, Google Chrome, Mozilla Firefox, Internet Explorer, HTML, SQL, Quality Center, Windows.

**Client : Hindustan Unilever Ltd Apr 2011 – Sep 2014**

**Role: Software Test Engineer**

**Company: Test Labs Inc**

**Responsibilities:**

* Extensively Involved in writing test cases based on the User and Business Requirements.
* Developed and executed test plans and test cases based on business requirements and functional specifications.
* Involved in using Quality Center for managing the defect. Performed manual Back-End testing by writing SQL Queries for validating user information in the tables.
* Performed Functionality Testing and Integration testing using HP Quick Test Pro (QTP).
* Determined test approaches for various testing strategies like Functional, System, Regression, Usability testing, Alpha, Beta testing and executed using HP Quick Test Pro (QTP).
* Performed Manual Testing of this Web application and automated it by using selenium.
* Ran performance testing to check the server’s stability and performance using **JMeter**.
* Strong working knowledge of running API load testing using tools like **JMeter**, SOAP UI test Suite.
* Reported the bugs/defects through **JIRA.**
* Responsible **for Setting up Web Services project using WSDL in SOAP UI and provided setup help to other team members.**
* Performed functional testing of **SOAP and RESTFULL Web Services using SOAP UI Tool.**
* Involved in **SOAP & REST** based web servicestesting using **SOAP UIPRO** web services testing tool.

**Environment:** Java, Selenium, Junit, Ant, CSS, Oracle, Windows X, Selenium WebDriver, SoapUI, Web Services, JavaScript, XPath, Eclipse, Firebug, Fire path, Google Chrome, Mozilla Firefox, Internet Explorer, HTML, SQL, Quality Center, Windows.