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Avinash B

QA Automation Engineer|| SDET|| API Tester|| Mobile Tester|| Manual Tester

Professional Summary:

- Over **8+ years** of experience as a **QA Automation Engineer - SDET** extensively worked on **Manual, Automation Testing of Web Client Server, Mobile, API, Web services and AngularJS** applications.
- Excellent knowledge and implementation skills in complete **Software Development Life Cycle (SDLC)** and **Software Testing Life Cycle (STLC)**. Extensively worked on both **Java** and **.Net platforms**.
- Expertise in understanding Business Requirement Specifications, Functional Specifications and Design documentations and converting them into Test Scenarios. Worked on **Protractor, JavaScript/Typescript** to automate **angular JS** applications and performing Regression testing.
- Experience in **Core Java, C#** development by applying different concepts like OOPS concepts, Collections, Strings, Exception handling, Multithreading, etc and experience in **JavaScript/typescript**.
- Experience in testing both **SOAP** and **REST** services using **SOAP UI, Postman, Swagger, Insomnia** and **Tested both XML and JSON** formats.
- Developed and maintained automated test scripts for Regression testing using **POM** framework with **Java and C#, Selenium Web Driver, NUnit and TESTNG**.
- Developed Test Scripts to implement **Test Cases, Test Scenarios**, and features for **BDD (BehaviorDriven Development)**, **TDD (Test Driven Development)** using **Cucumber**.
- Used **Appium** tool to test automation test scripts on both **IOS** and **Android** platforms for native and **mobile** websites on **mobile** devices.
- Proficient in the Web Debugging Tools like **Firebug, Fire path** and **XPath** to run **Web Driver** script in stable condition. Experience in doing performance testing of service using **JMeter, HP Load Runner**.
- Sound knowledge on **XUnit, NUnit, Junit, Test NG** framework for **Unit testing**, **MS Build, Maven** for Project building tools, **Azure DevOps, Jenkins/Hudson/Bamboo** for Continuous Integration.
- Developed an automated scripts and frame works using **Java, C#**
- Working experience with defect tracking tools like **HP ALM/Quality Center, Jira, Confluence, Microsoft Team Foundation Server(TFS), Visual Studio Team Services(VSTS)**.
- Expertise in performing **Android Emulators & IOS Simulators** for **Mobile** Automation Testing using

Appium for Native, Hybrid and Web Based mobile applications.

- Exposure to Continuous integration tools like Jenkins, Hudson, and Bamboo.
- Expertise in Problem solving and Defect Tracking Tools like **Quality Center**, **Bug Zilla** and **JIRA**, **VSTS**.
- Experienced in developing **VB scripts** in Quick Test Pro (QTP/UFT) to perform Functional, Regression, System and end-to-end testing.
- Developed function libraries, shared repository, Descriptive programming, Recovery scenarios using **QTP**. Experience with source version control tools such as **TFS**, **Git** and **Bitbucket**.
- Worked in building automation scripts and frameworks using Selenium Web driver with **Java** and **C#**.
- Experienced in performing Data driven testing to validate the components displayed on the website using **Selenium**. Comfortable in building and configuring maven and **Jenkins**.
- Experienced in **Mobile Automation** Testing on **IOS platforms** using **iPhone & iPad** Devices with Automation tools with Keep It Functional [KIF] and **Appium**.
- Proficient in testing database of applications developed with **MySQL** and **SQL Server**. Strong in writing **SQL** queries to perform backend data validations.
- Knowledge of Web Development technologies in general, including **HTML**, **JSON**, **CSS**, **JavaScript**, **AJAX & XML**. Experienced in using Selenium automation frameworks like **Data-driven**, **Keyword frameworks** and **POM**.

- Experience in unit testing, functional testing, Regression Testing, user acceptance testing(UAT), integration testing, system testing, performance testing, White Box Testing, Black Box testing, sanity testing, exception testing, API Testing, Cross browser testing, compatibility testing & security testing.

TECHINICAL SKILLS:

Test Approaches	Waterfall, Agile/Scrum, SDLC, STLC, Bug life Cycle
Testing Tools	Selenium Web Driver, QTP, JMeter, HP load Runner, SOAP, Gatling, Postman, Protractor, Manual Testing, Appium (Android & iOS Testing).
Frameworks	Page Object Model, Keyword Driven, Data Driven, ATDD, BDD, Hybrid Testing, Cucumber, Jasmine, Gherkin, TestNG, JUnit, NUnit, XUnit, log4j.
Build & Integration tools	Maven, Gradle, Ant, Jenkins, Bamboo, Hudson, VSTS
Programming Languages	Java, C#, .Net.
Browsers	Firefox, Internet Explorer, Safari, Google Chrome, Opera.
Operating System	Windows Variants, Unix, Linux, Mac, iOS, Android.
Database tools	MySQL, Squirrel SQL, Postgres, Oracle.
Defect Tracking Tools	HP ALM, Quality Center, Jira, Confluence, Team Foundation Server (TFS).
Scripting Languages	JavaScript, VB Script, Groovy Script.
Markup Languages	HTML, XML, JSON, XPath, X Code, XSD, XSL, XSLT, JSP, AJAX, CSS
MS Office Tools	MS Project, Outlook, Excel, PowerPoint, MS Access, Word
Other Utilities	Eclipse, Web Storm, Notepad++, Microsoft Visual Studio, VS Code, IntelliJ, SQL, GIT, SVN, Bitbucket, TFS, Sauce Labs.
Types of testing	Manual Testing, UI Testing, Integration Testing, Regression Testing, BlackBox Testing, White Box Testing, Functional Testing, Performance, Smoke, Sanity, API and Unit testing.

Professional Experience:

Client: ICF, Remote

April 2020 – Till date

Role: Sr. SDET/ Quality Engineer

Description: Onboard Provider (OBP): Onboard provider is a web application; the main idea of this application is on boarding a provider in real quick by auto filling the user's data and this data will be approved by credentialing API. User needs to provide few details like billing address, place of service address and credentialing address to submit the request for the service. Once the provider submits the RFP, user will get the CR number to track the process

Responsibilities:

- Extensively involved in all stages of testing life cycle, Acceptance Test Driven Development methodologies, and Software Development Life cycle (SDLC) using agile methodologies.
- Expert in creating, maintaining and executing automated test scripts using **Selenium Web driver** and **Selenium Grid** on cross browsers.
- Involved in developing and maintaining Test Automation Frameworks like **Behavior driven (BDD)** and Acceptance test driven (ATDD) using **Cucumber**.
- Developed and maintained automated regression test cases in **Selenium Web Driver** using **Java** programming language and **JUnit** as unit test provider.
- We used **Page object model** (POM) for UI Automation and **Service object model** for API Automation with Pro-CRAFT API/Library. Executed the test plans on **web** as per requirements.
- Automated the web services testing using **REST Assured**. Testing the API's as well as validated the data returned through web services responses.

- Experience with Service Oriented Architecture using **Soap UI Pro** tool and **POSTMAN** to test webservices. Used **RALLY** tool as a bug/defect tracking, and project management software.
- Analyze business requirements, Software requirement specifications to create test plan and test cases for manual and automation testing using **Selenium Web Driver**.
- Worked on **Sauce Labs, Selenium Grid** to do the cross-browser testing using remote Web Driver.
- Worked on Database/Backend testing and validated the data by writing **SQL Queries** using **MongoDB**. Prepared user documentation with screenshots for **UAT (User Acceptance testing)**.
- Designing and developing **test strategy, test plan, test cases** and generating test reports and defect reports. Used **GIT** as version control to maintain code, code reviews and pair programming.
- Extensive experience in using **JUnit** framework for Unit testing, **Maven, Gradle** for Project building tool, and worked with **Jenkins** for **Continuous Integration**.
- Integrated the test automation framework into **Jenkins pipelines** to trigger & run automatically for every build and deployment and also on daily basis.
- Developed and maintained automated regression test cases in **Cypress** using TypeScript programming language.
- Implemented handset automation framework, scripting and execution Sanity, Regression, Stress and Boundary test cases for **mobile applications** using **Device Anywhere Automation Tool**.
- Automated the web services testing using **Cypress**. Testing the API as well as validated the data returned through web services responses.
- Performed defect reporting and bug tracking using **RALLY** and followed up with development team to verify bug fixes, and update bug status.
- Involved in **Mobile Testing includes App Testing**. Test automation for web application using **Cucumber**.
- Involved in performing Functionality testing, Negative and Positive testing, Integration testing, testing manually on the first release of the application.

Environment: Selenium Web Driver, JUnit, ATDD, Maven, Gradle, **Cucumber**, Gherkin, Web services, JAVA, GIT, Pro-Craft library, JMeter, Jenkins, Eclipse IDE, IntelliJ, Postman, SOAP UI, REST, REST Assured, JSON, DOM, Rally, Source tree, Cypress, Agile Methodology, Windows.

Client: Grainger, Chicago, IL

June 2017 – April 2020

Role: Sr. Quality Engineer

Description: VENUE (VIRTUAL DATA ROOM):

Venue is a public facing application used for Secure Data Vault operations. It allows user groups to share documents privately and securely with each other. The main module in this project is admin settings, documents tab, Users tab, Search tab, reports tab. The main idea of this module was uploading/deleting files securely, viewing the files in secure viewer, users tab consisting of different users like project admin, reviewers, contributors, manager. By reports tab admin can track that who logged in, who accessed the files and all the activity of the application.

STOREFRONT: Store Front is a web application. The main idea of this application is shopping Cart, Orders, catalogs, Business Units. Catalogs is just templates of the printing products, adding products to the shopping Cart and where we can give address source as default address, personal address book or manually enter address. Catalogs will print the Name, phone number or email etc. We can customize it like quantity, and the order will go to the external system. Big printers are in Pennsylvania, California which geographically will be faster to ship it, will print it to the production and deliver to the customer. **Responsibilities:**

- Analyzed Business Requirements Documents to get better understanding of the system both on technical and business perspectives.
- Prepared **Test Plans, Test Scripts** and Test Cases based on functional specifications and user requirements. Used **XPath** and **DOM** to work with dynamic and static objects in **Selenium**.
- Developed **End-to-End** regression automation testing framework and maintained test suites to run every day and on release.

- Developed and maintained automated regression test cases in **Selenium Web Driver** using **C#** programming language and **NUnit** Framework.
- Performed Data driven testing using **Selenium Web Driver**, **NUnit** functions and Connections which reads data from scripts using property and **Excel** and **JSON** files.
- Developed test code in **C#** language using **Microsoft Visual Studio** IDE and **NUnit** framework.
- Used **Behavioral Driven Data (BDD)** framework (Spec flow) along with **Selenium** and **NUnit** as unit test provider. Wrote automated scripts for **angular JS** application using **Selenium web driver** and **C#**
- Designed and Developed **UAT** Regression automation script and Automation of functional testing framework for all modules using **Selenium** and **Web Driver**.
- Perform testing of complex policy rating algorithms, batch jobs and business rules.
- Created Data Driven scripts for adding multiple customers, checking online accounts, user interface validations, reports management, etc.
- Extensively used **JMeter** for performance testing to track the responsiveness and stability of the application under various workloads.
- Utilized various test tools for automation of test cases Generate test reports and performed extensive Web Services testing using **Postman**.
- Used **Postman**, **Swagger UI** and **Insomnia** tools to test **SOA** based architecture application to test **RESTful** services and **REST API**.
- Conducted **mobile apps** testing across the web using **Perfecto Mobile**.
- Prepared test cases, test data and test responsibility matrices for the application under test.
- Executed Test Cases recorded in **HP Quality Center** manually to test the application for its functionality, system integration and verify the Exit Criteria.
- Created **Continuous Integration** and **Continuous Deployment (CI/CD)** pipeline to run tests automatically after every build and deployment in **VSTS**.
- Used **VSTS** as scrum board, defect tracking tool, test plan, and reports and created defects using **VSTS**. Used **GIT** as version control, code repository and Code Collaborator to manage code reviews.
- As part of compatibility testing, executed the workflow manager web application related test cases on different browsers different Operating Systems.
- Performed **Back-End Testing**, database table manipulations of relational database systems by writing **SQL** queries manually.
- Performed **smoke testing** on daily basis, **performance testing** and end-to-end **regression testing** for each deployment.

Environment: **Selenium Web Driver**, **C#**, **BDD** framework, **NUnit**, **Cucumber**, **Protractor**, **Postman**, **Swagger UI**, **Insomnia**, **JMeter**, **HP Quality Center**, **Microsoft Visual Studio IDE**, **VS**

Code, VSTS, XPATH, HTML, CSS, Agile, GIT, SQL Server, Browser Stack and Windows.

Client: JPMC, Dallas

Aug 2015 – May 2017

Role: SDET Engineer/ Automation Engineer

Description: Product Switch is web-based application. This application is used by Wells Fargo agents. We deal with modules like Address verification, address change, personal Information, Sales, offers in front office. We deal with delete user, survey and manage user in back office. This application is configured in n-tier architecture and provides detailed information of account holders and agents can easily resolve the customer queries using this application.

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.
- Designed Automation Test cases using **Selenium Web Driver, Java, Test NG, Maven.**

- Used **Selenium Grid** to run test cases in multiple browsers and Platforms.
- Involved in testing of application using the **Scrum (Agile) methodology**.
- Responsible for implementation of **Hybrid Test Automation Framework**, Page Object Model using **Selenium Web Driver, Test NG, Maven and Java**. Automated web services using **REST API and Java**.
- Using **Jasmine** and **karma** test runner extensively for unit testing for end-to-end testing
- Proficient in handling **SOAP** and **REST** calls using **Java**.
- Implemented a Continuous Delivery pipeline with **Docker, Jenkins** and Git Hub and **AWS**.
- Knowledge of Web Development technologies in general, including **HTML, CSS, JavaScript, AJAX, and XML**. Developed automation framework from scratch using **Java, Test NG, Maven and POM**.
- Automating the Test Scripts are planned, prepared and upgraded using **HP Quality Center**.
- Maintained the **Selenium** and **JAVA** automation code and resources in source controls like **Git** over the time for improvements and new features.
- Extensive experience in using **JMeter** for web services performance testing in **AWS** cloud environment. Created profiles in **maven** to launch specific **Test NG** suite from **Jenkins** job.
- Verified the data in database through **SQL** statements and executed stored procedures and triggers.
- Created detailed **QA** and **UAT** cases to validate the quality of the application.
- Conducted **Functional testing, Regression Testing** using selenium with **Data-driven, Key-word Driven** framework. Involved in various meetings with **Business analysts** and **Developers**.
- Strong experience with **SOA** architecture which include **SOAP** and **Restful** Web Services Testing.
- Performed web services testing with **SOAP UI** by validating request and response for **XML, JSON** files. Tested on Web Services using **WSDL** and **SOAPUI** to check the communication between different services.
- 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**.
- Involved in testing of services using **SOAP/REST** services using **SOAP UI, Groovy Script**.
- Developed **BDD** Automation Framework using **Cucumber** tool and developed Feature files which includes Features, Scenarios and Step Definitions. Automated **Mobile** application by using **Appium**.
- Performed and executed test suite automation scripts using **Continuous Integration** tool **Jenkins**.
- Logged the errors, reported defects, and tracked the defects using **JIRA** until resolution.
- Logged and managed defects using **HP ALM Quality Center** defect management tool.
- Responsible for implementing **Load Runner, Performance center, JMeter** based infrastructure including Architecting the load testing infrastructure, hardware & software integration with **Load Runner**. Wrote automated scripts for **angular JS** application using **Selenium web driver** and **Java**.
- Used web-debugging tools like **XPath, Firebug** and **Fire path** to run automation script in

stable condition. Developed test code in **Java** language using **Eclipse**, **IDE** and **Test NG** framework.

- Performed **Smoke**, **Functionality**, **white box testing**, **Integration**, **System**, **Regression tests** based on analysis, and understanding of the requirements, non-functional specifications, and end-user needs.

Environment: Selenium Web Driver, Grid, SQL Server, Git, Oracle, SOA testing, JAVA, Gherkin, Agile, Groovy Scripting, DOM, **Cucumber**, JMeter, HP ALM Quality Center, **BDD**, Appium, End to End Testing, Protractor, HP Load Runner, Jenkins, UAT, SOAP UI, REST, JAVA Script, Regression Testing, Maven, Apache POI, Eclipse, XCode, Test NG.

Avinash B

- Dallas, TX, US

Contact Information

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- 3015315219

Work History

Total Work Experience: 9 years

- **Sr. SDET/ Quality Engineer ICF**
Apr 01, 2020
- **Sr. Quality Engineer Grainger**
Jun 01, 2017
- **SDET Engineer/ Automation Engineer JPMC**
Aug 01, 2015

Skills

- **agile** - 6 years
- **apache jmeter** - 6 years
- **automated testing** - 6 years
- **automation** - 6 years
- **bdd** - 6 years
- **continuous integration** - 6 years
- **cucumber** - 6 years
- **defect tracking** - 6 years
- **dom** - 6 years
- **framework** - 6 years
- **functional testing** - 6 years
- **qa** - 6 years
- **regression testing** - 6 years

- **restful** - 6 years
- **scripting** - 6 years
- **selenium** - 6 years
- **test cases** - 6 years
- **test plans** - 6 years
- **unit testing** - 6 years
- **web service** **qa** - 6 years

Work Preferences

- Desired Work Settings: Remote or Hybrid
- Likely to Switch: False
- Willing to Relocate: False
- Work Authorization:
 - US
- Work Documents:
 - Have H1 Visa
- Security Clearance: False
- Third Party: True
- Employment Type:
 - Contract - Corp-to-Corp

Profile Sources

- Dice: <https://www.dice.com/employer/talent/profile/5ffc7fb0c660051e04b9a1d5e291f099>