Shafkat Ali

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Location: Chantilly, VA
EDUCATION: Bachelors from George Mason University

Over **7+ years** of experience with expertise in **Manual/Automated** Testing of:

Mobile,
Web based
Client/Server/Microservice
Databases

Professional Summary:

- Highly proficient in handling huge volumes of data in various sectors of business such as Retail, Health Care, Banking, and Automotive domains.
- Extensive experience in developing Test Strategy, Test Plans, Test Scenarios, Test Cases, Test Matrices, Test Reports and documentation of manual and automated tests for web applications.
- Expertise in performing Black Box Testing, Functional Testing, Integration Testing, System Testing and Regression Testing.
- Experienced in and have contributed to every stage of SDLC (Software Development Life Cycle).
- Experienced in Agile Scrum Model with all the attributes and ceremonies with Cross Functional Team mindset.
- Expertise in tracking and preparing reports on testing activities such as Test Results, Test Case Coverage, Defects Status and Requirement Traceability Matrix.
- Experienced in Defect Life Cycle and expert in using Test Management tools like JIRA, Bugzilla and Microsoft Test Manager.
- Solid Knowledge in Automation Testing of applications in different layers API using POSTMAN/REST Assured.
- Experience with Protractor testing tools or similar
- Experienced in Cross Browser Testing with both automated and manual testing methodologies to ensure Browser Compatibility of the application in Firefox, Chrome and IE.
- Proficient in Designing, Implementing and Maintaining Data Driven, Keyword Driven, Modular and Hybrid Automation frameworks by using Selenium WebDriver.
- Expert on Selenium WebDriver with ability to develop advanced test Automation Framework with Java Programming Language from scratch.
- Expert in developing and scheduling hourly and daily Automation Shakeout scripts in Selenium WebDriver using Java with Eclipse.
- Expert in developing Driver Script for Selenium WebDriver with Page Object Model with Java and execute large amount of test scripts in Batch Mode.
- Experienced in automating Functional, Regression and Smoke Test cases in Selenium WebDriver using advance Java Programming Language skill with Descriptive Programming.
- Expert in developing low level, high level Reusable Functions in Selenium WebDriver and maintaining in various Maven Class Libraries.

- Expert in advance automation skills like POM (Page Object Model), Exception Handling, Cucumber HTML Report in Selenium WebDriver.
- Experience in automating Microsoft office Excel Application using Apache POI to improve the test automation framework.
- Knowledge on both IOS and Android Mobile Application testing using Perfecto Quantum Framework.
- Experience in Executing Regression scripts, analyzing the test result and Creating Defect for each Application Release in Selenium WebDriver.
- Expertly utilized Visual Studio as the primary IDE for .NET application development, enhancing coding efficiency with its powerful debugging and code management features.
- Regularly employed Git for version control, ensuring effective team collaboration and seamless integration of code changes in .NET projects.
- Experience in Preparing Selenium WebDriver Coding Standards and Automation Design documents.
- Experience in developing complex SQL Queries and PL/SQL statements to validate the data integrity in Oracle, SQL Server and Sybase database systems.
- Experience in test automation mentorship to achieve Cross Functional Team goal.
- Easily adaptable to any new technologies and business environment.
- Good team player and can work independently in a time sensitive environment
- Good organizational and communication skills, with the ability to express technical concepts verbally and in written.

Professional Work Experience

Test Automation Engineer Lead

Goldman Sachs   **March 2024 – Current**

Roles and Responsibilities:
- Developed a TestNG framework from scratch and implemented Extent Report throughout the project with a screenshot
- Implemented and Streamlined the framework to run on Azure Pipeline using Yaml file and dynamically passed TEST NG xml file
- Coordinated with Business team and developed a framework they desired for their Cash Management Application
- Coached other junior team members on various frameworks and helped them create framework from scratch for other banking associations
- Developed data driven approach to the parts of the framework where its integrating to get data and validated them in another application within the banking company.
- Used Azure pipeline, Azure repos and Azure board to streamline team work.

President Of TechCircle

TechCircle Solutions   **May 2019 – Present**

Roles and Responsibilities:
- Developed Test Scripts to implement Test Cases, Test Scenarios, and features for BDD (Behavior Driven Development) using Cucumber.
- Experience in the development of Data-driven and Hybrid Automation frameworks in Selenium.
- Proficient in using test automation tools such as Selenium WebDriver/IDE/Grid to develop automation testing scripts for web and client-server applications.
- Tested a wide range of software applications, employing testing techniques and methodologies.
- Implements performance test and scripts, build server deployment framework and automation framework.

- Detail-oriented able to pick up new skills, technologies, and languages.
- Extensive working experience on all phases of Software Development Life Cycle (SDLC), its methodologies such as Agile, SCRUM, and Waterfall Model.
- Experienced in working on Selenium WebDriver automation script in Java for Page Object Model (POM) cross-browser testing. Used testing annotations to group the test methods and for cross-browser.
- Involved in building automation framework from scratch using Selenium WebDriver, and Cucumber (BDD),
- Experienced in Cross Browser Testing by executing the test cases in Firefox, Chrome, and Internet Explorer.
- Utilize CSS selectors, IDs, and XPaths to locate elements on Web pages.
- Performed BDD (Behavior Driven Development) using Cucumber Features, Scenarios, and Step Definitions in Gherkin format.
- Used MAVEN for build management, and Jenkins for Continuous Integration of the builds.
- Assessed and analyzed user stories and participated in Sprint planning, Review Sessions & Scrum Meetings, and developed Test scenarios, Test cases, Test data, Test procedures, Test reports.
- Performed UI, Functional, and Regression testing by automated using Selenium WebDriver, Cucumber Maven, and Jenkins.
- Developed Automation framework implementing Page Object Model, using JAVA, Selenium Web Driver, and Cucumber.
- Used Selenium WebDriver to run test cases in multiple browsers and cross Platforms.
- Integrated Automation scripts (Selenium WebDriver API) in Continuous Integration tools (Jenkins) for nightly consignment run of the Script.
- Mentored and trained manual testers on the skill set of automated testing using BDD approach.
- Automated User Acceptance Testing after fully understanding requirements.
- Attended various meetings in order to understand the application work-flow and provide valuable input to development team.
- Developed and executed automated Test cases for three different healthcare applications using Java and Selenium.
- Completed automated Test cases and reported them to Open-Project Tool.
- Gave multiple Brown Bag to represent new technologies to the project and the team.
- Collaborated with Dev Team and product owner to better refine User Stories which resulted in improved Story Point Estimation.
- Overcame obstacles learning new Technologies and made great contribution to the project.
- Worked with and maintained complexed project structure which contained three applications.
- Quickly picked up Java Script to create a framework following Page Object model Design Pattern.
- Use Behavioral Driven Framework and Data Driven Framework by using Gherkin (Cucumber).
- Involved in Smoke Testing using Selenium Web Driver, Cucumber and maven.
- Excellent communication with Development Team to present and resolve application issues.

Automation Test Engineer Lead

Goldman Sachs   **March 2021 – December 2021**

Roles and Responsibilities:
- Expertise in automation using Selenium WebDriver, with Java on TestNG and Junit library
- Designed and implemented different automation frameworks from scratch like Page Object Model.
- Page Object Model, Keyword Driven framework, Data Driven framework and Hybrid framework
- Solid experience on build Management tools like Maven/ANT and continuous Integration tool Jenkins.
- Used AngularJS to build and maintain dynamic web apps. Used HTML as your template language and extended HTML's syntax to express application's components clearly and succinctly.
- Identifying Automation Scenarios from the set of Test cases/User stories identified in cycle.
- Developing Web Automation Test cases for the identified Automation Scenarios.
- Performed Cross/Multiple/Parallel Browser Automation using TestNG.
- Reviewed the Code prepared by other team mates and suggested improvements if required.

- Running Smoke regression suite after every build and publish the detailed reports with the bugs detected.
- Running Full Automation suite for every Release and analyze the root cause of Failed script.
- Developed Page Object Model Design Selenium framework on TestNG Platform.
- Used Build Management tool Maven/ANT in the framework for batch triggering of Test cases.
- Integrated complete framework with CI Tool Jenkins for Scheduling the Test cases.
- Maintained the Selenium & JAVA automation code and resources in source controls like GitHub over the time for improvements and new features.
- Experience on Automation Tools/Frameworks (JUNIT, Selenium, Protractor)
- Framework built in a (BDD) behavior driver development style using Gherkin language.
- Experienced with RESTful API and used HTTP requests to GET, PUT, POST and DELETE data using Postman.
- Involved in designing, developing, and executing **Test Strategies**, **Test Plans** and **Test Cases.**
- Attended **User Story Sessions** and provided feedback to the user stories to improve the **Acceptance Criteria** and **Testability** of user stories.
- Design, develop, implement and maintain **Web Logic** automation testing framework utilizing **Robot Framework**.
- Proven ability to write automation to verify data structures, data formats, and data values. Familiarity with testing application on the **cloud** preferably testing **AWS** native cloud application
- Demonstrated ability to build and maintain code repositories, preferably using GIT
- Experienced with Agile/SCRUM processes and techniques
- I could communicate and collaborate cross-functionally and work well with a team-oriented environment.
- Experienced with automation practices leveraging commercial collaborative tools like Helix, JIRA
- Have Strong ability to create and design test automation and test infrastructure - 3+ years in a Software Engineer
- Have Strong written and verbal communications skills.
- Involved in designing, developing, and executing Test Strategies, Test Plans, and Test Cases using Robot Framework.
- Attended User Story Sessions and provided feedback to the user stories to improve the Acceptance Criteria and Testability of user stories.
- Design, develop, implement, and maintain a keyword-driven automation testing framework utilizing Robot Framework for end-to-end testing.
- Leveraged Robot Framework with Selenium WebDriver for cross-platform and cross-browser testing to ensure consistent application functionality.
- Proven ability to write automation using Robot Framework to verify data structures, data formats, and data values. Familiarity with testing applications on the cloud, preferably testing AWS native cloud applications.
- Integrated Robot Framework with Jenkins for Continuous Integration, enabling automated tests to run with each deployment.
- Demonstrated ability to build and maintain code repositories using GIT and developed custom Python libraries to extend Robot Framework's capabilities.
- Experienced with Agile/SCRUM processes and techniques and frequently collaborated with development teams to ensure test coverage.
- Effective in communicating and collaborating cross-functionally, thriving in a team-oriented environment.
- Experienced with automation practices leveraging commercial collaborative tools like Helix, JIRA, and Robot Framework's reporting capabilities.
- Strong ability to create, design, and optimize test automation infrastructure, with 3+ years as a Software Engineer focusing on automation.
- Possess robust written and verbal communication skills, facilitating clear and concise reporting of test outcomes and automation results.

Senior Software Engineer
Capital One Bank (COF) – Mclean, VA   **January 2018 – March 2021**

Roles and Responsibilities:

- Involved in designing, developing and executing **Test Strategies**, **Test Plans** and **Test Cases.**
- Attended **User Story Sessions** and provided feedback to the user stories to improve the **Acceptance Criteria** and **Testability** of user stories.
- Design, develop, implement and maintain **Web Logic** automation testing framework utilizing **Java** and **Maven**.
- Attended **Kanban Grooming** meetings, analyzed the complexity of the **Kanban Backlog** items and **Collaborated** with the development team.
- Experience with Protractor testing tools or similar
- Attended **Kanban Planning** meeting and provided **Level of Effort** for each Kanban Backlog item.
- Developed test cases based on the acceptance criteria of the user stories and executed manually in each sprint.
- Developed **Requirement Traceability Matrix** to ensure requirement is covered and tested satisfied the acceptance criteria.
- Used AngularJS to build and maintain dynamic web apps. Used HTML as your template language and extended HTML's syntax to express application's components clearly and succinctly.
- Created the **Folder Structure**, **Maven Libraries**, POM **XML** files and maintained in the Eclipse for test automation framework.
- Collaborated with and across **Agile** teams to design, **develop**, **test**, **implement**, and **support technical solutions** in **full-stack development** tools and technologies
- Worked with a team of developers with deep experience in **machine learning**, distributed **microservices**, and full stack systems
- Shared my passion for staying on top of tech trends, experimenting with and learning **new technologies**, participating in internal & external technology communities, and mentoring other members of the engineering community
- Collaborate with digital product **managers**, and deliver robust cloud-based solutions that drive powerful experiences to help millions of Americans achieve financial empowerment
- Work with cloud native stack, build on AWS, use technologies like Kubernetes and Serverless
- Executed Test Cases, Test scripts and Logged, Retested and Closed Defect in Jira.
- Installed, Configured Selenium WebDriver tool in each Virtual Machine and new user system including the proper dependencies.
- Experience on Automation Tools/Frameworks (**JUNIT, Selenium, Protractor**)
- **Recorded Smoke Test Script in Selenium IDE** and exported as Junit test for **Selenium** WebDriver.
- Prepared test summary report for each regression cycle to the upper management.
- Conducted **Cross Browser Compatibility** Testing for the application on all major web browsers **IE**, **Chrome** and **Firefox**.
- Performed Ad-Hoc Testing and Negative Testing and logged critical defects that is not covered in the requirement.
- Wrote SQL queries for Back-end testing / Database testing.
- Created **SQL Queries** and performed back-end testing to check compared UI and the database.
- Worked as a **Cross Functional Team** member and tool extra responsibilities as needed by the project.
- Experience in developing complex **SQL Queries** and **PL/SQL** statements to validate the data integrity in **Oracle**, **SQL Server** and **Sybase** database systems.
- Develop and execute **Test Cases**, **Automated Test Scripts**, Perform **Data Validation**, and responsible for service delivery throughout system testing **lifecycle**.
- Hands-on experience in **Hadoop**, Apache **Spark**, **Snowflake** in supporting Hadoop applications and testing
- Experience with testing real-time **data-processing** systems
- Knowledge of data flows, data architecture, **ETL** and processing of **unstructured** data
- Strong knowledge in **SQL** to write complex queries to verify data
- Understanding of **Data migration** testing & **Data Quality** checks
- Solid **understanding** of common **software** development practices and tools
- Excellent understanding of **SDLC**, **STLC**, **Version control** and **Defect Management** systems
- Experience defining strategies, **planning**, **UAT** criteria and performing all test related activities

- Track and communicate task progress, **status**, and key **performance metrics.**
- Report **defects** found in **testing** diligently, promptly, and accurately, using standard **defect tracking tools.**
- **Communicate** effectively across multiple **teams** and **stakeholders**.
- Perform **data analysis** when required to **analyze** issues identified during system **testing/UAT** in various environments.
- **Developed framework using Cucumber, Junit, TestNG, Page Object Model, PageFactory.**
- **Knowledge in API Web Services testing using REST Assured with Java as a programming language.**
- Conduct **troubleshooting/test** execution in support of **remediation** efforts as required.
- Ensures the test execution results fulfill the defined **test objectives**.
- Perform **Regression testing** when required and maintain **Regression Suite**, primarily **Automation test sets**.
- Ensure appropriate testing and monitoring **tools/technologies** are configured accordingly with the test **objectives/project** team requirements.
- Timely and accurate communication of **testing** events, daily status, and test execution results, etc.
- Work closely and support the coordination effort of other **QA team members** in primary and offshore locations.
- Collaborating with other platforms tech leads to ensure integrated end-to-end integration testing.
- Proactive monitoring of applications and services.
- Identifying gaps and taking actions to completion.
- Actively mentoring junior testers and engineers.
- Presenting at communities of practices.
- As a tester, I owned end-to-end quality of software components from inception to production and provide technical supervision to other Onsite tester and Offshore testers.
- Strong experience with ETL testing and testing in Data warehouse, Data lake and snowflake, scala environments
- Experienced with AWS
- Knowledge of big-data technologies (Hadoop, NoSQL, Kafka)
- At least two years of experience with SQL and Java or Scala
- Exposure to NoSQL databases, Spark and the Hadoop Ecosystem
- Developed Data Driven automation framework in Selenium WebDriver and tested the application functionalities with multiple sets of data.
- Actively contributed to the development and maintenance of several business-critical applications using C# and the .NET framework.
- Led the design and implementation of new features, ensuring adherence to best practices in object-oriented programming and software design patterns.
- Regularly performed code reviews and refactoring to enhance application performance and maintainability.
- Experience in developing complex **SQL Queries** and **PL/SQL** statements to validate the data integrity in **Oracle**, **SQL Server** and **Sybase** database systems.
- Develop and execute **Test Cases**, **Automated Test Scripts**, Perform **Data Validation**, and responsible for service delivery throughout system testing **lifecycle**.
- Hands-on experience in **Hadoop**, Apache **Spark**, **Snowflake** in supporting Hadoop applications and testing
- Experience with testing real-time **data-processing** systems
- Knowledge of data flows, data architecture, **ETL** and processing of **unstructured** data
- Strong knowledge in **SQL** to write complex queries to verify data
- Understanding of **Data migration** testing & **Data Quality** checks
- Solid **understanding** of common **software** development practices and tools

Environments: Agile Kanban and Scrum, Windows 8.1, Mobile IOS & Android, Selenium WebDriver, Perfecto, Java, Maven, Junit, Jenkins, Unix, AWS, Cloud, Teradata, ERM, EC2, S3, DevOps, Big Data, Hashi Vault

Perfecto Mobile Automation Engineer
General Motors (GM) – Detroit, MI   **June 2017 – December 2017**

Roles and Responsibilities:

- Worked in a team of 4 Mobile Automation Tester. We are focused on testing OnStar Mobile Application for GM owned Automobiles (myChevrolet, myBuick, myCadillac, myGMC).
- GM Mobile app allows our Customers to be in control of their GM cars when their vehicles connected by OnStar app.
- Designed, Developed Quantum Mobile test automation Framework/Scripts from Scratch and currently testing multiple Mobile Applications on Perfecto Cloud Services.
- Automated Smoke Test, Functional and Regression test cases in Selenium WebDriver, Perfecto Driver with Descriptive Programming and Custom Functions.
- Developed proper exception handling strategies in Selenium WebDriver and Perfecto Driver to improve the test script efficiency with Java.
- Design, develop, implement and maintain Quantum Framework automation testing framework utilizing Selenium Web-Driver and Perfecto Mobile Testing Services, Java, Cucumber and Maven.
- Attended User Story Sessions and provided feedback to the user stories to improve the Acceptance Criteria and Testability of user stories.
- Involved in designing, developing and executing Test Strategies, Test Plans and Test Cases.
- Attended Sprint Grooming meetings, analyzed the complexity of the Sprint Backlog items and Collaborated with the development team.
- Created the Folder Structure, Maven Libraries, POM XML files and maintained in the Eclipse for test automation framework.
- Executed Test Cases, Test scripts and Logged, Retested and Closed Defect in Jira.
- Used QMetry and Perfecto Reportium Reports for Eclipse to be able to identify the root cause of the failure for each execution.
- Experience in TestNG and Cucumber annotation frameworks.
- Performed Ad-Hoc Testing and Negative Testing and logged critical defects that is not covered in the requirement.
- Worked as a Cross Functional Team member and tool extra responsibilities as needed by the project.
- Involved in designing, developing and executing Test Strategies, Test Plans and Test Cases.
- Attended User Story Sessions and provided feedback to the user stories to improve the Acceptance Criteria and Testability of user stories.
- Design, develop, implement and maintain Behavior Driven Development (BDD) automation testing framework utilizing Selenium Web-Driver, Java, Cucumber and Maven.
- Attended Sprint Grooming meetings, analyzed the complexity of the Sprint Backlog items and Collaborated with the development team.
- Attended Sprint Planning meeting and provided Level of Effort for each Sprint Backlog item.
- Attended Sprint Review meeting and demonstrated the newly developed application functionalities to development team, business team and stakeholders.
- Developed test cases based on the acceptance criteria of the user stories and executed manually in each sprint.
- Developed Requirement Traceability Matrix to ensure requirement is covered and tested satisfied the acceptance criteria.
- Designed, Developed Keyword Driven test automation Framework and prepared automation framework design document in Selenium WebDriver.
- Automated Smoke Test, Functional and Regression test cases in Selenium WebDriver with Descriptive Programming and Custom Functions.
- Developed proper exception handling strategies in Selenium WebDriver to improve the test script efficiency with Java.
- Created the Folder Structure, Maven Libraries, POM XML files and maintained in the Eclipse for test automation framework.
- Experienced with RESTful API and used HTTP requests to GET, PUT, POST and DELETE data
- Executed Test Cases, Test scripts and Logged, Retested and Closed Defect in Jira.

- Installed, Configured Selenium WebDriver tool in each Virtual Machine and new user system including the proper dependencies.
- Recorded Smoke Test Script in Selenium IDE and exported as Junit test for Selenium WebDriver.
- Prepared test summary report for each regression cycle to the upper management.
- Conducted Cross Browser Compatibility Testing for the application on all major web browsers IE, Chrome and Firefox.
- Used Cucumber HTML Report for Eclipse to be able to identify the root cause of the failure for each execution.
- Developed framework using Cucumber, Junit, TestNG, Page Object Model, PageFactory.
- Experience in Junit, TestNG and Cucumber annotation frameworks.
- Performed Ad-Hoc Testing and Negative Testing and logged critical defects that is not covered in the requirement.
- Worked as a Cross Functional Team member and tool extra responsibilities as needed by the project.

Technical Skills

Testing Tools: Selenium WebDriver, Eclipse, JUnit, Maven, Cucumber, TestNG, Git, Jenkins, SoapUi, Restful API, Perfecto, QMetry, Perfecto Reportium.
Bug Tracking Tools: ALM, Quality Center, Test Director, JIRA.
Language: Java, SQL, HTML, XML, Gherkin.
Operating System: Windows, iOS X.
Mobile Operating System: IOS and Android.
Microsoft Suite: Outlook, MS Office, Test Manager, Lync, HipChat.
Database: Oracle, SQL Server, MySQL, Sybase.
Framework: Page Object Model, Keyword Driven, Data Driven, Hybrid Framework, Quantum Framework.
Testing Methods: Functional, Component, Integration, System, Regression, and UAT.

References are available upon request.