**MUHAMAD MAHMUDOV**

**Quality Assurance Engineer | Automation Engineer**

[**Fairfax, VA**](https://www.google.com/search?q=fairfax+va+map&rlz=1C1CHBF_enUS983US983&oq=fairfax+va+map&aqs=chrome..69i57j0i20i263i512j0i22i30l3j0i22i30i457j0i22i30j69i60.6905j0j4&sourceid=chrome&ie=UTF-8) **| 571-602-0199 |**[**mahmudov.mohamad@gmail.com**](mailto:mahmudov.mohamad@gmail.com)**|** [**MyLinkedin**](https://www.linkedin.com/in/m-mahmudov/)

**Green Card Holder**

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With **8 years of experience** in **Quality Assurance**, I make sure, by **executing functional tests**, our agile team delivers flawless products to production so that our customers experience the best out of software application. **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

A **dedicated** Technical Professional with profound knowledge and **hands on experience** designing and developing strategic plans to execute end-to-end testing for software applications. Proficient in analyzing existing processes, identifying improvement opportunities, and incorporating necessary changes to make efficient test development and execution to increase **productivity** and **efficiency**. Experienced in preparing **test templates**, reviewing and managing existing testing methods and processes, and designing strategies to transition manual processes to fully-automated testing framework. Highly skilled in analyzing detailed business requirements, developing test cases and scenarios, and executing Smoke, Regression and Functional testing, to ensure proper functionality of software prior to production release. Proficient in **UI Testing** of web-applications using Selenium WebDriver, cross-browser testing using Selenium Grid, **API Testing** using Postman and Rest Assured library, **Database Testing** using SQLDeveloper, Rapid SQL and JDBC library. Hands-on experience on developing **Cucumber-BDD** and **DDT** frameworks using Java, Maven, Gradle, Gherkin, Selenium, JDBC, Rest Assured. Familiar with all Agile-Scrum ceremonies and SDLC, STLC, CI/CD and **OOP concepts** in **Java**. Used Jira as a test case and bug tracking tool. **Love my profession** and attend to work **enthusiastically**. **Self-disciplined, punctual, responsible** as well as **curious** to learn new skills and technologies. **Proud** of **hardworking** colleges. Adapted to work remotely in an effective manner.

**Core Skill Sets**

**UI/API/Database Testing** **Automation**  **End-to-End Testing**

**Test Plans / Test Cases** **Test Strategy Development** **QA**

**Functional Requirements**  **Regression Testing**  **Integration Testing**

**Cross-Functional Team member**  **Release Management**  **Manual Testing**

**PROFESSIONAL SUMMARY**

**SubAssist / Solution Street Jan 2023 - Current**

**Sr. QA Automation Engineer**

* **Developed Page Object Model framework using Cypress and Playwright in Javascript, NodeJS to automate E2E UI scenarios**
* **Using Cypress and playwright best practices to locate elements for tests to be resilient**
* **Used JMeter to check performance of API services by sending bulk requests to the endpoints**
* **Experienced SQL queries to retrieve data in Microsoft Sql Server**

**Brightcove / Solution Street May 2022 - Dec 2022**

**Sr. QA Engineer**

* Designed test cases for the feature stories and executed them manually and automated them using BDD cucumber using TestCafe automation tool.
* As part of **E2E Testing Team**, maintained and developed Cucumber BDD scenarios with step definitions to automate system end to end scenarios.
* Experienced XPath, CSS selectors to locate web elements on Page Object Model and used Selector to call the elements to perform actions on them.
* Used Postman to run API calls to ensure JSON responses per the requirement documents
* Created jobs on Jenkins to run **Smoke** and **Regression scenarios** on periodic bases
* Developed Automation framework using TestCafe, Javascript, and used Chai library for assertion points. Troubleshoot failed scenarios by debugging the code.
* Performed **integration**, **end-to-end, positive, negative testing** before the product goes to production.
* Attended in releases and executed main scenarios in the production environment.
* Communicated with offshore teams to diagnose and improve the quality of automation frameworks to establish **stable, robust execution** as well as reduce execution time.
* Implemented capability into framework to support **cross browser** testing and **parallel execution** to reduce significant execution time using Browser stack.
* Experienced **HTML, XPath and CSS selectors, Visual Studio Code as an IDE, Postman, front-end, back-end, UI, API, TestCafe, Javascript, Chai, Jenkins, Bithub, Cucumber, Jira, Gherkin, Agile Development, Manual and Automation testing** on this project.

**Freddie Mac – McLean, VA**    **July 2020 – May 2022**

**Automation Analyst**

* Responsible for understanding System **Requirement Specifications** and communicating with Business analysts/System analysts to make ambiguities clear.
* Experienced **Data Migration Testing** in which Source data flows to Target AWS **Cloud** databases and **data accuracy and completeness** as well as **data classification** is tested.
* Involved in **manual execution** of test scenarios and prepared **test artifacts** to present to my managers.
* Contributed to the automation **framework** for the project and executed automation scenarios, debug the code for resolution of encountered exceptions/errors.
* Mainly focused on end-to-end scenario testing for **UI, API and Database** aspects. Worked with **BDD Cucumber/Gherkin** in automation framework. Manipulated **Rest Assured libraries** for API testing and **JUnit** for validating the scenarios. Used **Selenium, Maven, Java, Data Definition Language, Data Management Language as part of SQL**
* Performed **Performance Testing** in database testing regarding **INSERT, UPDATE, DELETE** operations.
* Prepared test summary reports for results obtained from manual and automation testing using **HTML reports**.
* Attended daily/weekly meetings to get updates from the team and update team members on progress of test execution and any impediments encountered during testing.
* Successfully **reported bugs** to respective teams. And retested after **resolution**.
* **Communicated well** with team members on mutual respect and understanding.

**XFleet – Tysons, VA**  **February 2018 – July 2020**

**QA Engineer**

* Involved in various **Scrum ceremonies** with PO, BA, Scrum Master, and Developers.
* Involved in analyzing **system specifications**, **design, development**, and **execution of Test Plans** and **Test Cases for Manual** and **Automated Testing**.
* Designed, developed, and implemented **Page Object Model (POM)** based on **Cucumber-BDD** Automation-Testing Framework utilizing **Java, Selenium WebDriver, JUnit, Cucumber (Gherkin), Maven**.
* Observed **Jenkins** to execute Test Scripts periodically on **Selenium Grid** for different platforms like desktop, tablet, and mobile on different browsers in parallel to save time.
* Utilized **Maven** to manage dependencies for **Test Execution**, plug-ins, and created profiles of grouped Test Cases to run **Smoke and Regression Testing**.
* Worked on **Cross Browser testing** through **Selenium WebDriver** by testing the application on different browsers like **Chrome, Safari, and Firefox.**
* Utilized **Apache POI** dependency to read data from excel spreadsheets for **DDT in Java**.
* Experienced **Postman for manually API Testing** and created Automation scripts for Automated **API Testing** using **Rest Assured Library** together with **Get, Post, Put, Patch, Delete methods**.
* Performed **Database testing** using **JDBC API** and **SQL queries** with **Data Management Language (DML)** commands such as **Create, Read, Update, and Delete** methods.
* Worked with the Git**/GitHub Version Control tool.**
* Developed a **BDD framework** using **Cucumber** and created **Step Definitions** and **Feature files** using **Gherkin** (Cucumber) and implemented the JUnit Test Runner class to call Test Cases in Cucumber and reported results as **Extent-Reports / HTML reports / Cucumber JSON reports**.

**TwiliaERP – Tysons, VA**    **August 2015 – February 2018**

**QA Tester**

* Responsible and mostly focused on manual/automated testing of **GUI of Web-based applications**.
* Contributed in creating **Automation Framework** from scratch, using **Java, Selenium WebDriver, TestNG, Maven, and Page Object Model (POM)**.
* Performed **Database testing by writing SQL queries** and automated **data validation** using **JDBC in MySQL Database**.
* Developed Test Plans and Test Cases by analyzing **Software Requirements** for various functional modules of the application.
* Performed **Regression testing** at the end of each sprint to ensure the overall quality of the product.
* Used **Jira** as a project management tool to track defects and test cases.
* Performed both manual and automated testing on the front and back-end layer of software application.
* Executed scenarios for database testing utilizing **JDBC Library** imported to POM.xml file in Maven.
* Experienced **POSTMAN** for **manual API testing** and **Rest Assured Library for Automation of Back-End Testing**.

**TECHNICAL PROFICIENCY**

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| **Programming Languages:** | Java, HTML, CSS, SQL, Gherkin, JavaScript, Typescript |
| **Testing/Bug Tracking/CICD/Build Management Tools:** | Selenium WebDriver, Cucumber BDD, TestNG, JUnit, Hamcrest Matchers, Apache POI, Selenium Grid, Cypress, Apache Maven, Gradle, Jira, Jenkins, CI/CD, AWS, PgAdmin, HP ALM, Snagit, Rapid SQL, Apache Directory Studio (LDAP), Json Editor, Okera, HTML/ Cucumber/Extent/Allure reports, Cypress, Playwright, Testcafe |
| **Frameworks/Methodologies** | Behavior-Driven Development (BDD), Data-Driven Testing (DDT), Page Object Model, Agile/Scrum/Waterfall |
| **API Testing Tools** | REST Assured, POSTMAN, RESTful, Swagger, Newman, SoupUI, XML, JSON, Hamcrest Matchers |
| **Databases/Version Control Systems** | Oracle, PostgreSQL, DB2, JDBC, ODBC, Sybase, MySQL, MongoDB, Git, Git Bash, GitHub, Bitbucket, MS SQL Server |
| **IDEs:** | IntelliJ IDEA, Eclipse, SQL Developer, Visual Studio Code |
| **Browsers/OSs** | Internet Explorer, Edge, Mozilla Firefox, Google Chrome, Safari, Opera, Electron, Windows, MacOS, LINUX |
| **Testing Methods:** | Functional Testing, Regression Testing, Smoke Testing, API Testing, UI testing, Database Testing, Backend Testing, Frontend Testing |
| **Cloud Technologies** | AWS (EC2, S3) |

**EDUCATION**

Bachelor of Science, Physics Engineering Bilkent University – Ankara, Turkey