

# Safwan Rahman

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**US CITIZEN**

## Professional Summary

Over a year of experience in Information Technology with specialization in software quality assurance (manual & automation) testing on web-based applications. Skilled in developing automated test scripts in Hybrid and BDD framework using Java, Javascript, TestNG, Junit, Cucumber, Cypress, Postman, Maven, and Selenium WebDriver.

## Skills

- Excellent oral, written, and public speaking skills
- Team oriented individual willing to take lead in a fast-paced software delivery environment
- Always looking for new opportunities to learn and increase current knowledge and skills in order to stay committed to the constant changes in IT
- Quick learner and creative problem solver willing to adapt to any new environment

## Technical Skills

- **Testing Tools:** Selenium WebDriver, Selenium Grid, Cucumber, Cypress
- **Testing Frameworks:** Junit, Data Driven, Hybrid, Cucumber (BDD)
- **Build/Integrated Tools:** Maven, Eclipse, Postman
- **Test Management Tools:** JIRA
- **Languages:** Java, Gherkin, SQL, HTML, JavaScript
- **Operating System:** Mac OS, Windows
- **Database:** Oracle, My SQL
- **VCS & Hosting Service:** Git, Gitlab
- **CI/CD Tools:** Gitlab, Jenkins
- **Reporting:** Html, Junit, Cucumber Extend Report, Mocha reports
- **Working mode:** Agile process and scrums

## Education

**Kingsborough Community College, Brooklyn, New York**

Associates in Computer Science

June 2022

**CUNY Brooklyn College, Brooklyn, New York**

Bachelors in Computer Science

August 2022 - Present

## Professional Experience

Library Of Congress

Washington, DC

**Junior Automation Engineer**

Jun. 2022 - Present

- Developed a web-based application to allow users to apply and have their works copyrighted.
- Communicated with developers, product owners, business analysts, technical project managers, and product managers to understand the fast-changing project requirements daily

- Examined functional requirements, prepared test plans, created traceability matrixes, and written test case scenarios for both manual and automation testing using Gherkin and Cucumber
- Designed and developed automated test scripts using Java in Selenium Web Driver with Maven, Cucumber, and JUnit during triweekly sprint cycles
- Performed test activities, filed defects, validated defects, and tracked defects using Jira
- Utilized Java codes for Selenium test framework by using Object Oriented Programming (OOP) concepts such as inheritance, polymorphism, encapsulation, and abstraction
- Performed test automation development for test scripts using test framework that implements Page Object Model (POM), and Cucumber feature files.
- Used continuous integration tools (Gitlab) to create automated scripts that run on a nightly basis and to provide quick feedback to the developers and other QAs.
- Implemented Maven for project building, and Gitlab for code management repository
- Ensure the integrity of existing Postman tests after each software update or release.
- Implement timely adjustments to accommodate changes and updates in the application.
- Create comprehensive API end-to-end tests to validate the functionality of our software, ensuring it meets the expected standards.
- Conduct weekly regression testing to validate the ongoing functionality of existing tests.
- Maintain and update automation scripts, promptly addressing any failures or disruptions.
- Provide comprehensive training to new team members, assisting them in becoming proficient with project specifics and script development.
- Conduct frequent exploratory testing to identify and address random bugs that may arise from automation scripts or manual testing.
- Generate and distribute HTML reports to communicate test results effectively.
- Demonstrate both old and new code to showcase automation coverage and the progress achieved in each sprint.