**Ummul O Mukta**

Elmhurst, New York

(646) 519-0528, ummulomukta@gmail.com

**Summary:**

* **Over Seven (9+) years** of experience in different stages of **Software Development Life Cycle (SDLC)** for **Agile (SCRUM and Kanban) methodology**
* Skilled in designing and developing **test cases** in Gherkins and automated **test scripts** using Java-Selenium
* Extensive experience in **functional testing**, **regression testing**, **GUI testing**, **back-end testing**, browser compatibility testing **system testing** and **user acceptance testing** (UAT)
* Proficient in **Object Oriented Programming** (OOP) concepts such as **encapsulation**, **inheritance**, **method overloading**, **method overriding**, **abstract class** and **inheritance**
* Proficient in algorithms using Java collections class such as **LinkedList, ArrayList, Hashmap and HashSet**
* Specialist in designing and developing automated test framework from scratch using **Selenium WebDriver, Java, TestNG, Cucumber, Maven, and Page Object Model (POM) using Page Factory**
* Expert of **Microservices testing** for **REST API** using **Postman** and **Karate** and **Rest-Assured** Java Library
* Specialist in implementing **Continuous Integration (CI)/ Continuous deployment (CD)** tool such as **Jenkins** for unattended and periodic test execution for multiple browsers and environments
* Developed **SQL queries** using different joins including **inner join**, **left join**, **right join**, **union**, **group by** and **aggregate functions**
* Ability to handle multiple tasks and work independently as well as in team in a time sensitive environment

**Technical Skills**

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| --- | --- |
| QA Tools | Selenium WebDriver, TestNG, Cucumber, Karate, Atlassian JIRA, Postman, and Rest-Assured,Maven, Eclipse, Intellij,Confluence |
| Databases | CosmosDB ,Postgres,Oracle, Microsoft SQL Server and MySQL |
| CM | Azure Cloud, GitLab, Github,, Git and Jenkins |
| Languages | Java, CSS, HTML, and SQL |

**Professional Experience:**

**UBS, Weehawken,NJ,** June 2022 **-** Present

Software Development Test Engineer

STAAT-INSIGHT web- based application for Financial Advisor for Wealth management services of UBS that is integrated

with a large number of API and micro services with GUI.

**Responsibilities:**

* Developed a test **automation framework** from scratch using **Karate framework for API automation test.** Selenium **WebDriver**, **Cucumber**, **TestNG**, **Maven**, **Page object model concept** using **Page Factory, and Java object-oriented programming (OOP)**
* Performed  **API manual testing** using **Postman** , **Swagger**
* Analyze the business **requirements** with **DEV**  and **PO** ,**Data Science team** and other team members
* Participated in **release** **planning**, **sprint planning**, **retrospective**, and **daily scrum** for agile scrum
* **test plan**, test cases in **Gherkin**, and test data in
* Accomplished sophisticated **Regression, Functional, User Acceptance, GUI** and **Integration Testing.**
* Setup **CI/CD tool Jenkins** for unattended test execution by configuring **git**, **build triggers**, and **Post build action**
* Developed SQL Queries for backend validation using **different Joins, Union, Group By and aggregate functions**
* Worked closely and independently with various teams including development and management

**PNC Bank, Remote,** November 2021-May 2022

Senior Quality Assurance Engineer

Payment for Client and Batch Posting initiation and DSP-EDS integration for COR, MPC or LEGACY account after running Job Processor and validating the different status of a payment details.

**Responsibilities:**

• Participated in release planning, sprint planning, retrospective, and daily scrum in agile Methodology.

• Analyze the business user stories with QA and Developer Team and develop test plan, test strategy, test cases, and test data in Gherkin

• Develop test automation framework from scratch using Selenium WebDriver, Cucumber, TestNG, Maven, Page object model concept using Selenium Page Factory, and Java object-oriented programming (OOP) to write automation script.

• Accomplished sophisticated Regression, Functional, User Acceptance, GUI and Integration Testing and API testing.

• Performed REST API testing using Postman, Swagger, and automated tests using Rest-Assured Java Library, TestNG and Karate framework

• Setup CI/CD tool Jenkins for unattended execution by configuring git, build triggers and post build action for notifications.

• Developed SQL Queries for backend validation using different Joins, Union, Group By and aggregate functions

**Fiserv, Parsippany, NJ,** October 2019 – October 2021

Senior Test Automation Engineer

Dovetail is an internal application for payment creation and approval verification through different gateway or clearing house such as SWIFT, ISO, FedWire, SEPA, and RTP.

**Responsibilities:**

* Create test strategy, test plans and test cases for functional, regression and performance testing
* Gather non-functional requirements; such as system capacity projections, including API traffic volumes, servers, network, storage capacities, page response times, etc., to inform test planning
* Collect and analyze test results for unattended execution of functional and regression tests using Jenkins
* Partners with product owner, developers and scrum masters to ensure testable user stories ready for automation
* Work in Agile processes including **release planning**, **sprint planning**, **retrospectives**, customer demo and sprint closing
* Develop BDD standards using **Gherkins**, **TestNG, Cucumber, Page Object Model, Selenium Web Driver, and Java**
* Design, develop and enhance **test automation framework** from scratch to reduce regression test time
* Performed Functional, Integration testing and Regression testing
* Recommended the use of **JIRA** as a **Test Management Tool**
* Checked **database** to determine successful **transaction** of test data from the application by establishing connectivity using **SQL** commands

**BNY Mellon, New York, NY,** May 2018 – September 2019

Senior Quality Assurance Engineer

Application that offers customers to view account information like account details, monthly statements, balance transfers, loan application, credit cards, and other financial services.

**Responsibilities:**

* Participated in **release** **planning**, **sprint planning**, **retrospective**, and **daily scrum** for agile scrum
* Analyze the business user stories with **QA Team** and develop **test plan**, test cases, and test data in **Gherkin**
* Develop test **automation framework** from scratch using Selenium **WebDriver**, **Cucumber**, **TestNG**, **Maven**, **Page object model concept** using **Page Factory, and Java** object-oriented programming (OOP)
* Accomplished sophisticated **Regression, Functional, User Acceptance, GUI** and **Integration Testing.**
* Performed **REST API testing** using **Postman** and automated tests using **Java** **Rest-Assured**, and **TestNG**
* Setup **CI/CD tool Jenkins** for unattended execution by configuring **git**, **build triggers**, and **notifications**
* Developed SQL Queries for backend testing using **Joins, Union, Group By and aggregate functions**
* Worked closely and independently with various teams including development and management

**Lowes, Mooresville, NC,** January 2015 – April 2017

Senior Test Automation Engineer

Payment Failure/ Subscription/ Warranty – Application that offer payment failure functionalities for individual customers and subscription for customers and institution.

**Responsibilities:**

* Composed the **test cases** to verify user features after analyzing user stories using Gherkins & BDD
* Develop test **automation framework** using Selenium **WebDriver**, **Cucumber**, **Maven**, & **Page Factory**
* Developed **java** code for test framework using **object-oriented programming** concept including i**nheritance**, **polymorphism**, and **abstraction**
* Performed **Smoke, Functional, Regression, System, User Acceptance, and sanity testing.**
* Responsible for creating the **element locators** using **XPath**, and **CSS** Selector in Page Object Model package
* Performed **REST API testing** for all endpoints using **Postman**
* Developed complex SQL Queries for backend testing using **functions**
* Generated status reports and Defect reports and presented them in weekly status meetings

**Scholastics, New York, NY,** August 2012 – December 2014

Software Development Engineer in Test (SDET)

The applications provide book publishers and book clubs end-to-end functionality of children book. Customers manage all book contents including marketing cover, eBooks, contents, images from pre-production to post prod and reprints.

**Responsibilities:**

* Participated in Agile development environment in **Sprint Planning**, **Daily Scrum, Retrospectives, and demo**
* Worked closely with **Product Owner (PO)** to finalize business requirements and develop acceptance criteria
* Developed **test plans, test cases,** and **test scripts** for **smoke**, **functional**, **regression** and **system** test
* Perform **API** tests using **Postman** and experienced on **SQL** for backend testing
* Worked closely with development team on fixing application defects and track defect life cycle using **JIRA**
* Developed and Integrated Gherkin test cases in automated test framework
* Enhanced **test framework** using Java, Selenium, **TestNG**, Cucumber, Page Object Model (POM), Maven and Git

**Education:**

Bachelor of Business Administration, Asian University, Dhaka, Bangladesh