**Roman Romaniuk**

**Test Automation Engineer**

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*US Citizen*

Professional **SDET** with 9+ years of total IT experience in **Quality Assurance** in Insurance, Banking, Information Technology, Health and Financial domains looking for a position requiring skills in **Automation End-to-End Testing of UI, Database and API** on **Web based applications**.

**Career Summary**

* Experience in developing Automation framework using **Core** **Java programming OOP concepts, C#, Java Script, Selenium WebDriver, Serenity BDD, Junit/TestNG, Playwright, Maven**, **Atata**, **Applitools, JMeter,** configuring Project Object Model file **(pom.xml)**, using **Page Object Model** and **Page Factory Design** for framework implementation, **Git**, **Bitbucket** as version control tool.
* Exposure to all stages of **Software Development Life Cycle (SDLC), Software Testing Life Cycle (STLC)** and software development methodologies such as **Agile (Scrum)** and **Waterfall**.
* Expertise in both **manual** and **automation** testing of **web based** services and **client server** application.
* Expertise in defining **test strategies**, creating comprehensive **test plans**, and ensuring high-quality **software delivery**.
* Designed and developed **BDD/TDD Automation Frameworks** from the scratch, created **Gherkin** Features-Scenarios using **Cucumber** and **SpecFlow**.
* Experience in building **Continuous Integration/Continuous Delivery** automation solutions via **Jenkins, TeamCity, Harness** and **Sauce Labs**.
* Experience in working with **Test Management/Bug Tracking** tools like **JIRA, Zephyr** to track test execution progress and prioritize bug fixes.
* Expertise in writing **SQL Queries** for **Oracle** and **MySQL, PostGreSQL Data Bases,** implemented **Data Driven Testing** by using **Apache POI** libraries.
* Strong knowledge in **Android mobile** application automations.
* Performing in **Restful API** testing of web services using **Rest Assured, RestSharp**, **Postman**, **JMeter.**
* Proficient performing different kinds of testing like **Smoke, Regression, Multi-Browser, Functional, Integration, GUI, Backend** and **UAT**.
* Solid experience in **Peer Reviews** of **Test Cases, Test Scripts** and **Bugs**.
* Good **Analytical, Problem-Solving, Communication** Skills, ability to work **independently** with minimal supervision as well as with **cross-functional** **teams**.
* Expertise in **document comparison** using **Aspose Libraries.**

**Work Experience**

**Senior Software Development Engineer in Test (SDET)**

**Donnelly Financial Solutions (DFIN)**

Chicago, IL

September 2022 - Present

***Roles & Responsibilities***:  
• Involved in developing **Test Strategies, Test Plans** to ensure high-quality releases.  
• Designed and developed **Serenity** **BDD framework** with **Selenium** for **behavior-driven** testing using **Java** and **Cucumber**, created **Scenarios** in **Feature files** using **Gherkin language.**

• Wrote various **Scenario Outlines** with **Examples** and **Data Tables** for data-driven testing, implemented **Hooks** and **After Hooks** to manage tests setup.

• Developed **data** **setup** and **teardown** strategy for running tests in multiple environments.

• Used **JUnit** as assertion methods to verify expected test outcomes.  
**•** Created andmaintained **Page Objects (POM)** for each webpage**.  
•** Implemented **Log4j** for logging test execution details and debugging automation scripts.

**•** Monitored application logs using **Splunk** to analyze errors and troubleshoot issues.  
• Utilized **Apache POI** for reading and writing test data from Excel in **data-driven test automation.**

• Designed robust test scripts using **WebElement locators** (**Xpath**, **CSS Selectors**, **ID**, **Name**, **ClassName**, etc.) to interact with dynamic and complex web applications.

• Functional experience using **Postman** for manual and automated **API Tests** run.

• **Automated API** tests using **RestAssured** library.

• Collaborated with **DevOps** team to set up pipelines in **Harness** for **Continuous Integration** and **Delivery** in order to execute tests after each pull request for automatic deployments to higher environments.

• Integrated **Applitools Eyes** into **BDD** framework for automated **visual testing**.

• Used **JMeter** for performance testing of Web Applications.

• Configured **Harness Services** for **Parallel testing** and generating readable **Reports**.

• Used **JIRA** for **bugs tracking**, test case management and **sprint planning**.

• Exposure to automation test frameworks using **Playwright with JavaScript/TypeScript**, improving test execution speed and reliability.

**QA Automation Engineer**

**NowPow (**acquired by **Unite Us)**

Chicago, IL

August 2020 – September 2022

***Roles & Responsibilities***:

• Led the technical design and implementation of the **automated testing**.

• Created, enhanced and supported **BDD** framework for **.NET** using **C#**, **SpecFlow**, **Selenium WebDriver**, **MSTest**, **Visual Studio.**

• Responsible for analyzing and prioritizing **Functional**, **Regression** test cases for test automation development.

• Developed data **Setup** and **Teardown** strategy for automation testing.

• Worked closely with developers to build **automation testing environments**.

• Created new **test procedures** and **test cases** as per the **business requirement**, automated manual test cases to improve efficiency and quality of **test coverage**.

• Followed **Page Object Model** design and used **Gherkin Language** to create **Feature files** and **Step Definitions** using **C#**.

• Constructed **reusable functions** for automation framework using **C# programming language.**

• Took part in all **Scrum ceremonies** and collaborated to deliver high quality product.

• Scheduled automation scripts in the **Continuous Integration** tool **TeamCity** and worked on source code repository tools like **Bitbucket**.

• Performed **test** **result** evaluation, **documentation** and **reporting**.

• Mentored engineers in code review, **OOP**, **Selenium WebDriver**, **data structures**, failure analysis and **debugging**, making tests more stable and easier to maintain.

• Performed **API** testing using **Postman.**

• Thorough experience in **Defect Life Cycle** by **Defect reporting** and **Defect tracking** process using **JIRA**

• Documented test cases in **Zephyr** to be utilized during **Regression Testing.**

**QA Automation Engineer**

**Capital One**  
Chicago, IL

July 2018 to August 2020

***Roles & Responsibilities:***  
• Heavy influence in the **Software Development Life Cycle (SDLC)** and **Software Testing Life Cycle (STLC)** using **agile** and **waterfall** methodologies.

• Responsible for analyzing the **User Stories** and creating **Test Cases.**  
• Designed, executed and maintained automation **test scripts** with **Java**, **Selenium WebDriver** and **Maven** with **TestNG** prior to release for regression and smoke test cases.  
• Experience with **TestNG Annotations** in **Selenium** **WebDriver** and executed a batch of tests as testing suite for **parallel** tests.  
• Extensively used **Page Objects Design pattern** and **Data Driven Framework** in the project using **Java**, **Selenium**, **Maven**, and **TestNG**.  
• Hands on experience with **back-end** **database** testing using **SQL** queries to validate complex content-including **Inner Joins**, **Outer Joins**, **Unions** etc.  
• Created automation **test scripts** using **Appium** mobile automation tool.

• Configured **Jenkins** **pipelines** for running automation scripts in **CI/CD**.  
• Experienced in using **Selenium Grid** to execute **Selenium** automation suites on different browsers in **parallel**.   
• Extensively used **Selenium APIs** such as **Take Screenshot** for **Capturing Failed** test cases.

• Utilized **Extent Reports** for embedding screenshots in test execution reports.

**QA Tester**

**Allstate Insurance**

Northbrook, IL

June 2016 to July 2018

***Roles & Responsibilities:***  
• Prepared **Test Plans**, **Test Cases** and wrote **Test Scripts**.

• Developed and implemented a **Data-Driven Automation Framework** using **Selenium**, **JAVA**, and **TestNG** to automate test execution across multiple datasets.

• Performed **manual testing** for **functional test cases** and logged **critical defects** in **ALM**.

• Actively performed **negative testing**, **positive testing**, **ad-hoc testing**.

• Actively involved in preparation of requirement **traceability matrix** documentation for mapping **test cases** against **requirements**.

• Participated in both **code** and **framework** design review meetings.

• Successfully reproduced and logged **defects** using **Application Lifecycle Management** **(HP ALM)** tool and performed retesting.

• Prepared **quality assurance reports**.

• Used **Jenkins** for continuous integration and delivery in order to execute them automatically after every successful deployment.

• Executed automated **test scripts** and **analyzed the test result** for finding the root cause of the test failures.

• Developed and executed complex **SQL queries** for testing **Database** validations.

• Worked closely with the developers to get the immediate resolution to the defects.

Performed **Smoke test**, **Functional test**, **Regression Test**, **User Acceptance Test**.

**Education**

**Bachelor's degree**

**Summary of Technical Skills**

* **Languages:** **Java, C#, SQL, HTML, Gherkin, Java Script**
* **Testing Tools:** **Selenium WebDriver, JUnit, TestNG, Cucumber, Selenium Grid, Appium, Applitools, Postman, SQL Developer, Sauce Labs, SpecFlow, Playwright, JMeter, MSTest**
* **Java Libraries: JDBC, Rest Assured, Apache POI, Aspose, RestSharp**
* **Testing Framework types:** **BDD, DDD, Hybrid**
* **Bug Tacking/Project Management Tools:** **JIRA, Rally, Zephyr, Log4j, Splunk**
* **IDEs: Eclipse, IntelliJ, Visual Studio, VS Code**
* **Project building tools:**  **Maven, .NET**
* **Continuous Integration:** **Jenkins, Bamboo, TeamCity, Harness**
* **Methodologies:** **Agile(Scrum), Waterfall**
* **Repository and Version control:**  **Git, Bitbucket**