

**Tahmid Nabil**  
**Seeking QA Engineer / SDET Role**  
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**Skills:**

- Java, Python, JavaScript, Swift, Kotlin, TypeScript, C#, Ruby
- Selenium Webdriver, Selenium Grid, Appium, TestNG/JUnit, Rest Assured/Rest API, Nightwatch.js
- Postman, Playwright, TypeScript Azure DevOps Cypress, WebDriver IO, Cucumber/Gherkin, JMeter, UIAutomator2, XCUIT
- Azure DevOps, Docker/Kubernetes, Maven, Jenkins, GitHub
- Allure, Extent
- Jira, Confluence, Wrike
- MySQL, SQL, MongoDB
- JSON/XML handling, Agile methodology
- UAT Testing
- Amazon Web Services(AWS), AWS Lambda, Saucelabs, BrowserStack, Kobiton, Perfecto

**Summary:**

QA testing professional with more than 8 years of experience, specializing in Software Development Engineer in Test (SDET) and Quality Assurance Engineer roles. Excel in crafting QA frameworks using diverse languages and tools from the ground up. Expert in devising and executing comprehensive test plans, cases, and scripts, with a proven track record of defect identification and documentation. Effective collaborator, liaising with cross-functional teams to ensure top-tier software product delivery. Proficient in leveraging QA methodologies, tools, and best practices. Seeking a challenging SDET / Automation and manual testing role to further utilize my skills and drive software development project success.

**Completed projects:**

**Project 1: JP Morgan Chase** has a goal of being a leading global financial institution that offers a line of financial services to individual citizens, institutions, and businesses. At JP Morgan Chase, I led an initiative focused on enhancing the delivery of secure financial solutions to global consumers, institutions, and businesses. Our strategy involved meticulous software testing, bug tracking, and risk mitigation. Notably, we implemented an optimized testing methodology that reduced testing time by 35%, streamlining the delivery of world-class financial services and bolstering the bank's reputation as a leading financial institution.

**Project 2: KeyBank**, the primary subsidiary of Key Corp, stands as one of the largest financial institutions in the nation. Offering a diverse range of services, Key excels in commercial banking, investment management, investment banking, and consumer finance, catering to both domestic and international clients. The primary objective of the project was to ensure the provision of top-notch products by leveraging the existing framework to review account activity, recent transactions, loan applications, and access credit card statements with utmost efficiency and quality.

**Project 3: Thoughtworks** is a global tech consultancy driving digital innovation for over 30 years, integrating strategy, design, and software engineering to unlock value with data and AI. In this project, there was a focus on collaborating with the rest of the team of developers, business analysts, and designers to ensure a top quality product. This was done through thoughtful examination of all processes and technology to ensure client satisfaction.

**Project 4: Ernst & Young** is a leading global professional services firm that provides a range of services such as consulting, tax services, and technology and digital solutions to clients across a myriad of industries. Our project here was to have a focus on the client and ensuring that the service they are provided is exceeding their satisfaction. Our job was to ensure clients had no problems while browsing our various services. The goal was to create automatic tests to find different solutions for issues that may arise and ensure defects and status of tests are monitored.

## **EXPERIENCE:**

### **JP Morgan Chase, New York, NY July 2021 – Present Sr. QA Testing Engineer**

#### **Responsibilities:**

- Collaborated with cross-functional teams to define and document test strategies, test plans, and test cases for complex financial software applications.
- Used Python to create automated test scripts and suites for web, API, and mobile app testing, improving testing efficiency and reducing manual efforts.
- Conducted rigorous QA testing at JP Morgan Chase utilizing , Xcode, Android Studio, and BrowserStack among a multitude of other tools to ensure quality of mobile applications and web platforms.
- Led a team of QA Engineers both onshore and offshore in planning, designing, and executing test activities, ensuring adherence to quality standards and project timelines.
- Utilized Cypress for comprehensive end-to-end testing, ensuring the reliability and security of the bank's digital platforms and services.
- Conducted risk analysis and impact assessments to prioritize testing efforts and allocate resources effectively
- Employed Python's Pandas and NumPy libraries to validate and analyze financial data, ensuring data accuracy and compliance with regulatory standards.
- Used Jmeter to check stability of performance.
- Conducted real device testing creating a framework from scratch for iOS and Android testing using with UiAutomator2 and Xcuietest to validate application functionalities, identify bugs in the system, and ensure seamless user experiences on various devices.
- Manually testing Api utilizing Postman to Get, Put, Post etc Api.
- Created a BDD Cucumber framework with RestAssured library to automate Api reducing testing of APi from 5 sprints to 1-2 sprints.
- Used C# to develop and maintain complex test automation scripts, interfacing it with proprietary trading and financial software APIs which enabled functional and performance testing of trading systems.
- Utilized AWS Lambda to create an automated alerting system that monitors application performance and quality, triggering Lambda functions to notify the team when predefined thresholds or issues are detected during testing or production monitoring.
- Developed and maintained a robust test automation framework using Selenium WebDriver and Java with Testng and Data providers, resulting in significant time savings and improved test coverage.
- Implemented Continuous Integration (CI/CD) practices using Jenkins to automate the build and execution of test suites, enabling efficient regression testing.
- Used C# to create automated test frameworks and scripts that utilized banks distributed microservices architecture.
- Utilized Python-based tools like JMeter or Locust to conduct performance testing, simulating heavy user loads on JPMC's systems to identify bottlenecks and optimize system performance.
- Utilized Azure DevOps to automate deployment of test environments, manage cases, and collaborate with

dev teams.

- Utilized JavaScript libraries including Mocha as the testing framework and Chai for assertions to organize test suites that efficiently covered various API endpoints and their corresponding CRUD operations.
- Collaborated closely with business analysts, developers, and stakeholders to understand requirements, provide feedback, and resolve issues in a timely manner.
- Used Appium to test iOS native app on local Appium server along with extensive real device testing on AWS Device Farm cloud service.
- Utilized SQL queries to verify data integrity and perform database testing, ensuring data accuracy and consistency.
- Used extent via Testng listeners for detailed reports.
- Developed and executed performance tests using JMeter, identifying system bottlenecks and recommending optimizations for enhanced scalability and responsiveness.
- Actively participated in Agile ceremonies, including sprint planning, daily stand-ups, and retrospectives, contributing to the team's continuous improvement and adaptation to changing requirements.
- Managed and tracked defects using JIRA, ensuring timely resolution and effective communication between QA and development teams.
- Conducted training sessions on testing methodologies, tools, and processes to promote knowledge sharing and ensure consistent quality standards across the team.
- Collaborated with offshore teams to facilitate knowledge transfer, streamline test execution, and enhance productivity.
- Prepared and presented test reports and metrics to management and stakeholders, providing insights into the product quality and highlighting areas for improvement

## **KeyBank, Cleveland, OH Dec 2019 – Jul 2021**

### **Sr. QA Mobile Tester**

#### **Responsibilities:**

- Conducted thorough functional, regression, and integration testing to ensure the quality and reliability of software releases, identifying defects and driving their resolution.
- Employed Cypress for end-to-end testing, ensuring online banking functionality and security.
- Developed and executed comprehensive test scenarios and test cases based on business requirements and user stories, ensuring maximum test coverage and alignment with project objectives.
- Demonstrated expertise in employing the Maven build management tool to efficiently manage project dependencies, automate test execution, and streamline the build process using POM xml file.
- Built 2 frameworks one with Java and another with Python using Selenium Webdriver for internal web applications.
- Utilised AWS Lambda to schedule and execute automated regression tests at specific intervals, automating the testing process and providing timely feedback on the application's quality.
- Conducted rigorous testing on the Workday platform, ensuring its functionality and compatibility with systems and processes to maintain quality.
- Leveraged Playwright to automate frameworks with Python and conduct comprehensive web based testing.
- Utilized javascript to create and maintain automated test scripts for web applications and online banking platforms for Keybank
- Utilised Cypress to create and execute automated tests for their online banking platform, verifying critical functionality, security measures, and user experience to maintain a robust and user-friendly digital banking system.
- Harnessed Azure Devops to orchestrate end to end test automation pipelines, manage the environments

and work with dev teams to deliver high quality banking products.

- Utilized loadrunner for performance of application.
- Utilized Pytest and behave with Python.
- Used Confluence for test management.
- Wrote python scripts on Playwright to automate browser interactions and verify functionality and performance of web applications.
- Utilized test management tool Jenkins, to organize test cases, track defects, and generate detailed test reports, ensuring clear visibility into the testing process and results.
- Collaborated closely with business analysts, developers, and stakeholders to understand requirements, clarify ambiguities, and provide feedback on system behavior and usability.
- Utilized , Xcode, Android Studio, and BrowserStack to perform mobile and web application testing to ensure compatibility across multiple popular devices and platforms.
- Executed comprehensive testing procedures on the Workday platform, identifying and addressing any defects or issues to ensure seamless integration and optimal performance.
- Participated in user acceptance testing (UAT) sessions, coordinating with end-users and business stakeholders to validate software functionality and ensure alignment with business needs.
- Conducted exploratory testing to uncover potential issues or usability concerns that may not be covered by predefined test cases.
- Leveraged C# to create custom automation frameworks for end to end testing of financial software systems using tech like Selenium and SpecFlow.
- Utilized AWS cloud with PyTest to streamline the testing process and implemented AWS CloudWatch to monitor application logs and performance metrics, allowing proactive identification of issues and timely resolution of errors Implemented Selenium Grid for parallel testing on multi browser and OS combination.
- Proficiently utilized Java Object-Oriented Programming(OOPS) with Selenium Webdriver during QA testing at KeyBank which helped to develop robust and maintainable test scripts that verified application functionalities efficiently.
- Utilized Testng Dataprovider to hashmap multiple user details and logins as well as Pom.xml file for parallel testing.
- Actively participated in Agile ceremonies, including sprint planning, daily stand-ups, and retrospectives using Jira Boards, providing input on testing efforts and contributing to the team's continuous improvement.
- Developed and maintained test data and test environments to simulate real-world scenarios and ensure accurate testing.
- Performed database testing by writing and executing SQL queries to validate data integrity, consistency, and accuracy.
- Used Restassured library and Postman to test backend API.
- Collaborated with development teams to ensure timely resolution of defects, conducting thorough root cause analysis and providing detailed defect reports.
- Assisted in the creation and maintenance of test automation frameworks, leveraging tools such as Selenium or to automate repetitive and critical test cases, improving efficiency and accuracy.
- Used Jenkins for CD/CD pipeline.
- Utilized Selenium Grid to run parallel test across the cloud on multiple systems.
- Assisted in the creation and execution of performance and load tests using JMeter, identifying system bottlenecks and recommending optimizations for enhanced performance.
- Acted as a subject matter expert in QA methodologies, tools, and processes, providing guidance and support to team members and promoting best practices.
- Utilized Postman for Restful API endpoints, data validations, and error handling checks.

**Thoughtworks, Chicago, IL Oct 2017 - Dec 2019**

**QA Automation Engineer**

**Responsibilities:**

- Developed and executed automated from scratch test scripts using industry-standard with Selenium Webdriver, Cucumber, and Junit.
- Utilized Java to write automated test scripts to ensure quality and functionality of software by conducting systematic testing and validation procedures.
- Worked closely with developers and product owners to identify test requirements, define acceptance criteria, and create test scenarios and test cases.
- Conducted thorough testing of web applications, mobile applications, and APIs, focusing on functional, regression, and integration testing.
- Pushed forward QA testing efforts by leveraging Azure DevOps for Continuous Integration and Continuous Deployment (CI/CD) processes, and expertly configuring YAML pipelines to automate build, test, and deployment workflows.
- Utilized version control systems, such as Git, to manage test code and ensure proper collaboration within the team.
- Used Cypress to develop end-to-end automated tests for web applications, ensuring their reliability, performance, and security while collaborating with developers to identify and resolve issues efficiently.
- Used Javascript to develop and execute frontend and backend test automation scripts to validate functionality and user experience.
- Used Jmeter for checking load, performance and strsss testing.
- Undertook QA testing efforts to utilize parallel web-based testing techniques to efficiently validate application functionalities across multiple browsers and platforms which resulted in improved test execution speed and enhanced test coverage.
- Successfully implemented SauceLabs for parallel testing, leveraging its cloud-based infrastructure to run tests across a multitude of browser configurations.
- Used AWS Lambda to automate compliance checks and security scans on cloud-based resources and configurations, ensuring that client environments adhere to regulatory and security standards.
- Utilized Docker and Kubernetes to create scalable and containerized testing environments which allowed for seamless integration of testing processes within the CI/CD pipeline.
- Worked with cross-functional development teams to design and implement comprehensive test automation frameworks and strategies, ensuring high-quality software delivery.
- Participated in Agile ceremonies via Azure Boards, including daily stand-ups, sprint planning, and retrospective meetings, to ensure alignment with the development team and timely delivery of high-quality software.
- Facilitated collaborative automated acceptance testing and ensured consistent delivery of high quality software products through usage of C#.
- Conducted exploratory testing to uncover defects and provide valuable feedback on user experience and product usability.
- Collaborated with clients and stakeholders to understand their business requirements, provide test estimates, and address any testing-related concerns.
- Actively contributed to the improvement of QA processes, tools, and methodologies, promoting best practices and ensuring continuous quality improvement.
- Mentored junior team members, provided technical guidance, and conducted knowledge-sharing sessions to enhance the overall team's skillset.

- Implemented parameterized tests and data-driven testing in Kotlin, enabling comprehensive testing across different user inputs and scenarios, while adhering to best practices.

## **Ernst & Young (EY), Detroit, MI May 2015 - Oct 2017 QA Analyst**

### **Responsibilities:**

- Conducted functional, regression, and integration testing of software applications to ensure high-quality deliverables.
- Collaborated in a framework from using Webdriver IO and typescript for an internal Web application.
- Employed Javascript, Node.js library, Mocha, and Chai to develop and execute comprehensive test suites for QA testing which ensured the functionality, performance, and reliability of web applications and APIs.
- Designed and executed test scripts, capturing detailed test results and logging defects in the designated tracking system.
- Developed and maintained automated test scripts using industry-standard tools and frameworks.
- Conducted thorough data validation and verification to ensure accuracy and reliability of the system.
- Collaborated with development teams to implement test automation frameworks using Javascript with Mocha and Chai, resulting in streamlined testing processes, reduced manual effort, and early detection of software defects, leading to improved product quality.
- Implemented risk-based testing approaches and strategies to prioritize testing efforts and optimize test coverage.
- Used Java for creating custom test automation frameworks and scripts to perform comprehensive testing of financial software systems, ensuring their functionality, security, and compliance with industry regulations.
- Leveraged C# skills to develop and execute automated test scripts, ensuring thorough testing of software applications.
- Utilized various testing methodologies, including black-box testing, white-box testing, and user acceptance testing(UAT).
- Used C# to write test scripts with libraries like Selenium to enable web app testing. Integrated frameworks such as NUnit and MSTest to verify software functionality too.
- Utilized AWS Lambda to create a serverless test harness that simulates various client interactions with financial systems, helping to validate the integrity and accuracy of financial data and processes during testing.
- Conducted performance and load testing to assess system scalability and stability.
- Actively participated in Agile/Scrum ceremonies using Jira boards, such as daily stand-ups, sprint planning, and retrospective meetings.
- Used AWS to set up scalable and isolated testing environments, allowing thorough quality assurance testing on complex financial software and applications within a secure and controlled cloud infrastructure.
- Used Jenkins for CI/CD pipelines for continuous integration testing.
- Mentored junior team members, providing guidance on testing best practices and methodologies.
- Stayed updated with industry trends and advancements in QA practices, tools, and technologies.

### **Education:**

BS Computer Science, Oakland University, Rochester, MI (2023)