**Md Kamal Hossain**

[hossainqa83@gmail.com](mailto:hossainqa83@gmail.com)

<https://www.linkedin.com/in/kamal-hossain-186844b8/>

**510-417-9946**

**PROFESSIONAL SUMMARY:**

* **Over 12 years of experience in information technology with specializing in software quality assurance testing, proficient in client/server and web/****app based applications through manual and automation testing.**
* **Strong experience of Software Development Life Cycle (SDLC) as well as Software Testing Life Cycle (STLC) and the Role of QA in different testing methodologies like Agile, and Waterfall.**
* **Experienced in quality assurance testing for multiple projects, using Adobe Experience Manager (AEM) content management system and supporting technologies.**
* **Experience with using AI-driven tools like GitHub Copilot, testRigor in automation testing process for AI applications, web and API to Improve our automation speed, performance and quality.**
* **Experience in creating test plans, design verification and reviewing specifications for software based on the UI and functionality documentation.**
* **Working experience in functional, integration, regression, smoke, compatibility, performance, acceptance, security, stress and black box testing.**
* **Performed E2E (End to End) testing to check the entire flow from the UI to the backend to the database with multiple dependent teams.**
* **Experienced with UAT testing with data setup, environment setup and coordination between users, development, business and product management teams.**
* **Extensive experience in design, developing and executing automated test scripts using different automation tools like: Selenium, Cypress and Playwright.**
* **Strong experience in Java, JavaScript, Python, SQL Queries, Joins, HTML, XML.**
* **Excellent working experience with Rest API and Mobile testing.**
* **Possess working knowledge on web services testing using SOAPUI Tool, REST Assured and Postman.**
* **Created test automation BDD framework with cucumber, gherkin, Selenium WebDriver and Java.**
* **Working knowledge in Microservices software development technique.**
* **Experienced with different could provider like AWS, Microsoft Azure for cloud base web applications E2E testing.**
* **Extensive knowledge of performance testing using JMeter.**
* **Experience in HP QC/ALM for test management, salesforce and Jira for agile, story board and bug tracking.**
* **Experience in CI/CD pipeline validation with Continues Integration (CI) tools like Jenkins, build tools like Maven/Gradle and version control & source code management tool GitHub implementation for automation framework had an exposure to DevOps.**
* **Responsible for checking cross browser compatibility of different elements and tags, hence worked on different browsers like Internet Explorer, Google Chrome, Firefox, Safari.**
* **Having good experience in understanding business requirements, designing, preparing and executing test cases for Web Applications, Defect Tracking and Reporting.**
* **Excellent written and verbal communication skills, presentation and problem-solving skills.**
* **Good team player and Quick learner.**

**TECHNICAL SKILLS:**

**Operational knowledge:  Selenium WebDriver, Cypress, Playwright, MS SQL Server, QTP, SoapUI, Quality Center (HP ALM), JIRA, MS Office, Azure, GitHub Copilot, testRigor, DevAssure , JMeter, HP LoadRunner.**

**Programming languages: Java, Java Script, Python, jQuery, HTML.**

**Test Framework: JUnit, TestNG, Cucumber, BDD, TDD, Appium, REST Assured.**

**Web Debugging Tool: XPath, Firepath, Firebug, Chrome Developer Tools.**

**Operating Systems: Windows, Linux, Android.**

**Version Control System: Git, SVN, CVS.**

**Build Tools: Maven, Gradle, Jenkins.**

**IDE’s: Notepad ++, Eclipse, Sublime Text Editor, Eclipse, VS Code, IntelliJ.**

**EDUCATIONAL DETAILS:**

**Master’s in MIS (Management Information System)**

**Lincoln University, CA, 2013**

**Bachelor’s in computer science**

**University of Dhaka, Dhaka, Bangladesh, 2008**

**PROFESSIONAL EXPERIENCE:**

**Albertsons Company Inc, Pleasanton, CA Jan 2021 – Present**

**Lead Software Development Engineer in Test/ QA Automation Engineer**

**Responsibilities:**

* **Experienced in quality assurance testing for multiple projects using Adobe Experience Manager (AEM) content management system (CMS) and supporting technologies.**
* **Hands-on experience in authoring and custom workflows validation with multi-site manager (MSM) on publisher and dispatchers in AEM to assist with bug-fixes during the testing phase and to provide support for production launches.**
* **Developing automated tests for components and templates in AEM Web App.**
* **Experienced with Sign in and Registration flows validation with multifactor authentication using Okta.**
* **Experienced to work with test automation framework like BDD, execution and lead automation delivery using Java, Selenium, Cucumber and gherkin and TestNG.**
* **Design, developing and executing automated test scripts using Playwright automation tools with JavaScript.**
* **Designing, creating constructing and executing automation and manual test cases for API web services using Rest Assured and Postman.**
* **Develop test automation strategy for large complex projects in AGILE methodology.**
  + **Contribute to team agile planning activities and backlog prioritization to participate in daily stand-up meeting, sprint planning meeting, bug review meeting, retrospect meeting and walkthroughs and interacted with business analysts and developers for resolving defects.**
  + **Deep practical understanding of SDLC processes including requirements, design, development, build, release management and quality assurance.**
* **Collaborates with product line stakeholders to understand and develop strategies, frameworks relating to their emerging demands and present demos for new component functionality to stakeholders.**
* **Work with the development team to understand the technologies and implement automated testing tools for data comparison and transformation.**
* **Generated test cases from figma, test documents or screenshots and automated & executed test script using AI-powered test platform like DevAssure.**
* **Experience with using AI-driven tools like GitHub Copilot, testRigor in automation testing process for AI application, web and API to Improve our automation speed, performance and quality.**
* **Excellent working experiencing to test mobile applications using Appium.**
* **Experience to write automated tests, including smoke, integration, and regression tests.**
* **Design, develop, maintain and monitor execution of automated tests and work closely with quality analysts to assess test coverage, and to triage test failures.**
* **Experience in creation of workflow and E2E system test cases to support system and performance testing across teams and applications.**
* **Experience in creation and maintenance of a product’s test strategy including the review of the strategy with team and preparing the test suite for QA execution to ensure the requirements and quality targets are satisfied.**
* **Experience in testing with Microsoft Azure cloud provider for cloud base services like compute, azure website, storage, network services, azure active directory, API Management and power sell automation.**
* **Performed E2E (End to End) testing to check the entire flow from the UI to the backend to the database with multiple dependent teams.**
* **Experienced with UAT testing with data setup, environment setup and coordination between users, development, business and product management teams.**
* **Lead activities including assigning and delegating work to team members as needed and work as part of the platform engineering team and connect with automation test engineers to perform review of automated scripts.**
* **Strong understanding of relational databases like Oracle and MySQL.**
* **Experience in CI/CD pipeline validation with Continues Integration (CI) tools like Jenkins, build tools like Maven/Gradle and version control & source code management tool GitHub implementation for automation framework had an exposure to DevOps.**
* **Leading product release QA cycles including creating and tracking release plans, coordinating team resource activities to deliver high release confidence based on deep comprehensive test coverage.** 
  + **Experienced with defect management tools like Jira for creating defect, debugging, root case analyzing, tracking and report generation.**

**Environment: Java, JavaScript, Jenkins, Cucumber, Web Services, SoapUI Pro, XML, Selenium WebDriver, Playwright, Appium, BDD framework, TestNG, LoadRunner, GitHub Copilot, testRigor, DevAssure, Maven, Gradle, Linux, Oracle Database, Azure, SQL, Jira, VS Code, IntelliJ.**

**Wells Fargo, Concord/San Leandro, CA Sep 2018 – Dec 2020**

**Software Development Engineer in Test/ QA Automation Engineer**

**Responsibilities:**

* **Participate in product design reviews to provide input on functional requirements, product designs, test estimates, schedules and potential risks.**
* **Creating test strategy, test plan, test cases, test data and test execution, creating and managing defects, generating test execution scorecards and test dashboards.**
* **Involved in the preparation of Test Plans, Test Cases, Test Reports, Requirement Traceability Matrix.**
* **Performed Functional, Smoke, Usability, Integration, Regression and E2E (End to End) Testing.**
* **Excellent knowledge to perform UAT testing and working on defects using JIRA and Quality Center and Application Lifecycle Management ALM software.**
* **Experience with development, revision and upkeep of test cases for all applications that are in scope of UAT.**
* **Worked on TDD framework with Page Object Model (POM) and extracted data from external excel files using Apache POI and loaded into the variables in the scripted code.**
* **Worked on Maven for build and dependency management where I have added different dependencies such as Apache poi, TestNG, Maven-plugin-Api etc. according to the requirement.**
* **Used Java as programming language with Selenium to write test script for testing web application.**
* **Test scripts are created, automated and executed using Selenium WebDriver, TestNg and Java.**
* **Excellent working experiencing to test mobile applications using Appium.**
* **Develop and implement automation frameworks to enhance scripting, scalability, and maintenance using Cypress and JavaScript.**
* **Performed test and run various APIs as part of system integration testing using Postman and Rest Assured.**
* **Test data required for the Automated test scripts are created in MS Excel.**
* **Used GitHub to maintain and manage the build scripts, test data used, and other documents related to the project.**
* **Responsible for developing the scripts to support Jenkins for Continuous Integration (CI) of the scripts with the build server.**
* **Used various classes of Selenium like Alerts, select to handle various scenarios.**
* **Dynamic Xpath has been written to handle hidden and dynamic web Elements.**
* **Created test cases in spread sheet and uploaded them into ALM and after execution, generated test reports have been shared with all the team members and management.**
* **Identified defects have been logged in defect tracking tool ALM and defect triage meeting had been conducted to discuss the status of the defects regularly.**
* **Worked and communicated with programmers, project managers and other groups to set and meet quality standards and deadlines.**
* **Used quality center to store all testing results, metrics, implemented test plan document, created test cases, defects and reports.**

**Environment: Java, JavaScript, Selenium WebDriver, Cypress, Eclipse, VS Code, Appium, Oracle, TestNG, REST Assured, MySQL, HP Quality Center, XPath, ALM.**

**Cisco Inc, San Jose, CA Nov 2016 – Sep 2018**

**QA Automation Engineer**

**Responsibilities:**

* **Followed Agile/Scrum methodologies for all the project activities and attended daily standup meetings, bug review meetings, weekly status meetings, retrospect meetings reviewed user stories.**
* **Analyze the business requirements and closely work with the business team to get the clarifications addressed and review the test scenarios and test cases with business.**
  + **Prepared test cases and performed functional, regression, smoke, sanity and performance testing of the web application for a smooth release.**
* **Created data driven framework and having good experience in data driven and hybrid testing using selenium, TestNg, Jenkins and Excel.**
  + **Prepared and wrote script for automation test cases as per requirements using Selenium WebDriver and Python.**
  + **Created test build and run it using GitHub or builled.xml for selenium automation framework using Jenkins.**
  + **Extensive knowledge of performance testing using JMeter and created and executed JMeter scripts for performance testing of portal.**
  + **Performed input validations, user interface validations, browser compatibility testing and navigation testing.**
* **Working experience in cloud base frameworks and containers and web application for E2E testing.**
* **Performed performance, scalability and reliability testing in cloud technologies platform like Software as a Service (SaaS).**
* **Working experience in microservices software development technique in Linux platform and executed Linux commands to debug the issues.**
  + **Performed manual & automation testing for web service using Postman and REST Assured framework.**
  + **Executed REST calls (POST, GET, PUT, DELETE) methods using Postman & REST Assured Tool.**
  + **Prepared traceability matrix to show the test coverage requirement vs test scripts.**
  + **Involved in querying using SQL and updating records and validate database records as expected.**
  + **Defect reporting, debugging, root case analyzing, tracking and report generation using Jira.**
  + **Work collaboratively with multiple teams with offshore and onshore.**

**Environment: Python, Selenium WebDriver, Data Driven framework, TestNG, REST Assured, Postman, HPQC, Eclipse, Jira, JMeter, Linux, Cloud, SaaS, Maven, Jenkins.**

**Verizon, Tampa, FL May 2014 – Oct 2016**

**QA Automation Engineer**

**Responsibilities:**

* **Actively attend daily standup meeting to update daily activities and meetings with other QA members and other groups to evaluate the progress and performance of the application.**
* **Involved in functional, stress, regression, smoke, sanity, performance, load, and User Acceptance Testing (UAT) to maintain a bug free application for smooth release.**
* **Created Test Automation BDD Framework with Cucumber, Gherkin, Selenium WebDriver and Java.**
* **Configured Cucumber Report Plugin and Performance Plugin to Jenkins to generate html test reports.**
* **Involved in building automation framework from scratch using Selenium Web Driver, JAVA, JUnit, Jenkins and Eclipse.**
* **Executed manual and automated application testing for key product functionalities and developing new test plans using tools such as Selenium and JUnit.**
* **Performed functional testing to identify various critical points in the application and automated it by using Selenium WebDriver with JUnit.**
* **Excellent working experience with Rest API and Mobile testing.**
* **Generated Selenium reports using JUnit reporter and automated report generation using ANT.**
* **Used Ant for building the WebDriver project and integrated with Continuous Integration (CI) tools Jenkins for running test on nightly basis automatically.**
* **Performed various testing activities like GUI testing, smoke, sanity, acceptance, functional testing, browser compatibility testing, regression testing.**
* **Used Firebug Tool to identify the Object’s id, Name, XPath, link in the application.**
* **Developed test scripts for web services using SOAP UI and worked with XPATH.**
* **Used Jira for test management to create defects, debugging, root case analyzing, tracking and report generation.**
* **Tested the application in cross browsers such as Internet Explorer, Mozilla Firefox, Safari and Google Chrome for browser compatibility testing.**
* **Wrote SQL queries in Oracle Database to verify the data with the GUI.**
* **Participate in project and test team requirements reviews.**

**Environment: Java, Selenium WebDriver, Ant, JUnit, Jenkins, Cucumber, SOAP UI, Jira, XPath, Eclipse, Firebug, Oracle, SQL and Windows.**

**Mila Networks, LosGatos, CA**   **Jun 2013 – May 2014**

**UI Developer/QA Automation Engineer**

**Responsibilities:**

* **Attended review meetings with Business Analysts, Developers and end users to understand and test according to their requirements.**
* **Designed and developed the front-end using JavaScript, HTML, CSS, and XML.**
* **Used JSON for data interchange, as it’s faster and can be parsed using JavaScript.**
* **Developed JavaScript and optimized existing scripts for efficiency.**
* **Developed test plan, test cases and test data based on business requirements and involved in functional and regression testing.**
* **Created, reviewed and updated test scenarios, test cases and test Data.**
* **Created traceability matrix to keep track of changes in requirement to that of the testing efforts.**
* **Identified high-level requirements for documenting detailed business requirements.**
* **Tested applications and documented results and bugs including documentation of information useful in the debugging process.**
* **Created defects in Jira board and prepare web services test results and reports.**

**Environment: JavaScript, HTML, CSS, Java, jQuery, JSON, Notepad ++, Eclipse, Jira, Restful API, Selenium, Mainframes, SQL, DB2, Web logic, Web services.**