**Mohammad Mohiuddin Bhuiyan**

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**Objective:**

Highly motivated, energetic IT professional with extensive hands-on experience in Quality Assurance, Automation and Application Development**.** Confident team player with strong work ethics and attention to detail, excellent communication, interpersonal, decision making, organizational, analytical, project management skills, ability to lead teams independently in a fast and deadline driven environment.

# Professional Skills:

* Over **9 years of experience** as Quality Engineer and Developer with strong automation skills at various web based, back-end, client server applications in diverse environments, mainly Banking, Computing, and Financial industries.
* Long experience in **Agile Software Development Methodology** in a fast-paced agile environment.
* Proven **problem solver** with strong analytical skill, business awareness and extensive technological knowledge.
* Passionate, proficient **Python** coder and effective user of numerous python libraries and framework.
* Adept at dynamic and interactive web development with **Flask**, **HTML5**, **CSS3** and **JavaScript**.
* Experienced front-end GUI builder with **wxPython** and stand-alone distributable creator for diverse platform.
* Expertise in **web automation** with Python **Selenium** binding and **web scraping** with **Beautiful Soup**.
* Profound experience in **end-to-end automation** of data ingestion and file integrity testing in **Apache Hadoop (HDFS), SFTP, Teradata** and **Vertica** db.
* High level of proficiency in **Robot Framework** for acceptance testing and acceptance test-driven development (ATDD) and efficiency in writing **boilerplate keywords**.
* Fluency in writing complex **SQL/ PLSQL Queries** on variety of RDBMS such as Oracle 9i and 10g**,** SQL Server.
* In-depth knowledge about **graph database Neo4j** and expert user of **Cypher query language**.
* Advanced user of **HP UFT (**formerly **HP QTP)** automation tool and **VBScript**.
* Expert user of **HP ALM (**formerly **HP QC), JIRA, Rally** and **Bugzilla** test management tools.
* Experienced in **Load Testing** and **Performance Testing** with **JMeter, Locust** and **LoadRunner**.
* Expert knowledge in Continuous integration and deployment through **Apache Subversion (SVN)**, **GitHub**, **Jenkins** and **UrbanCode Deploy**.
* Hands-on experience in using **Rational Robot, Rational Clear Quest, WinRunner** and **Test Director**.
* Extensive experience and exposure in Testing of **web shopping** and **e-commerce** application.

# Experienced in Manual Testing, UI Testing, Integration Testing, Regression Testing and Black Box Testing.

* Skilled in preparing **Test Plans, Test Scenarios** and **Test Cases** in accordance with client’s requirements.
* Excellent knowledge of **QA methodologies, Software Development Life Cycle (SDLC), Bug tracking** and

# Testing Frameworks.

* **Multitasking** capability for high complexity system applications to meet aggressive timelines.
* A **self-starter** with the ability to define and achieve goals with little supervision & work as **independent**

and **team member** in challenging and cross platform environment.

* Excellent **verbal and written communication skills** and effective **presentation skills**.

# Keen to learn new technology.

**Experience:**

**RBC Royal Bank Date: Mar. 2016 – Present**

**Sr. Test Automation Engineer**

RBC **Anti Money Laundering (AML)** and **Single View of Clients (SVC)** are integration of its multilayer efforts to fight against fraudulent and anti-social financial activities. QAs are at the forefront of these Test-Driven Development under Agile Methodology. Hadoop Distributed File System (HDFS), Robot Framework with Python, Jenkins and UrbanCode Deploy are few of the most advanced technologies used in these projects. SFTP file server and Vertica and Teradata databases are part of the integrated development and testing environment.

# Responsibilities:

* + Test automation using Robot Framework and Python
  + Web automation with Python libraries like Selenium, Beautiful Soup, Flask, Requests and others
  + Data mapping and data validation between file system (SFTP and HDFS) and databases (Teradata and Vertica)
  + Develop mockup data creation tool with GUI programming like wxPython
  + Writing SQL queries to validate data ingestion in HDFS and Vertica from Teradata (EDW) and Oracle
  + File ingestion validation from various source to HDFS
  + Creation and maintenance of job in Jenkins as a part of continuous integration
  + Versioning, approving and continuous delivery through IBM UrbanCode Deploy (UCD) tool in agile development environment
  + Coordinated development and version control of test scripts through Apache Subversion (SVN)/ TortoiseSVN and GitHub
  + Importing CSV, JSON files into graph database Neo4J and analyzing with Cypher query language.
  + Ensuring data quality by applying various business rules
  + Planning and tracking agile sprint tasks by Rally
  + Creating and Maintaining test cases and reporting bugs using HP QC/ ALM
  + Ensuring compliance with user acceptance criteria.
  + Team playing role as a QA within a larger group of Developers, Product owner, Scrum Master and Business Analysts
  + Assisting and assigning tasks to offshore QAs

**Environment/ Technology:** Apache Hadoop (HDFS), File server SFTP, Database Vertica, Teradata and Oracle, Graph database Neo4j, Python, Robot Framework, Selenium, Beautiful Soup, Flask, wxPython, SharePoint, Jenkins, UrbanCode Deploy, HP ALM (QC), Lync, VPN, SVN, GitHub.

# Aimia Inc. Date: Oct. 2015 – Feb. 2016

**Sr. QA Analyst**

Aimia Inc. operates in 20 countries and partners with industries from versatile areas including Airline, Automotive, Financial Services, Telecom, High Tech, Healthcare and Travel Hospitality. Aimia has served the world’s most respected technology and telecommunication companies including Oracle, NEC, Microsoft, Citrix, Verizon, and Sprint. **BMO Rewards** is a web application for flight reservation, hotel booking, car rental, holiday package and online shopping. The application is also used to sell two products, BMO World Elite MasterCard and BMO Rewards MasterCard.

# Responsibilities:

* + Preparing and implementing test plan using agile methodology.
  + Maintaining close liaisons and effective communication with developers, testers and product owners.
  + As the onsite Coordinator, work with offshore QA Lead to ensure adequate coverage and testing of projects.
  + Research and analyze open issues and questions from offshore associates.
  + Creating and maintaining automation test scripts using Python and Selenium.
  + Responsible for change management in respect of technological transition.
  + Managing the project with appropriate project management tools including HP ALM.

**Environment/ Technology:** HP ALM, HP UFT, Python, Selenium, VBScript, SharePoint, HTML, MS .Net, Windows 7, Cisco AnyConnect

# TD Canada Trust Date: Sep. 2013 – Jul. 2015

**Sr. QA Analyst**

TD Canada Trust offers a wide range of financial services to corporate and retail customers through its specialized subsidiaries in the areas of investment banking, life and non-life insurance, venture capital and asset management. **Customer Account Management System** is a system to manage customer’s accounts. The application provides customers with real time access to the accounts, electronic copies of statements, online bill payments, transferring money from one account to another account, Fixed Deposit renewals and also maintains balances and history of all the accounts. The system performs reorder checks, request stop payments, set up e-mail alerts to remind key dates and let you know when an account balance reaches a certain level.

# Responsibilities:

* + Developed Test Plan which included Objectives, Strategies and Testing Environment by analyzing Business Requirement and User Requirements Document.
  + Performed UAT on the application with several user profiles to simulate real time usage of the online application.
  + Developed test cases and test scripts using QTP and QC for Functionality and Regression Testing.
  + Used Robot Framework, Selenium and Python bindings for cross platform automation
  + Created SQL queries to test the backend functionality of the application for database testing.
  + Carried out load tests and performance tests by JMeter.
  + Used Quality Center for bug tracking and reporting.
  + Participated in weekly IRB (Internal Review Board) meetings to prioritize the defects logged to developers and to resolve the issues.
  + Actively participated in enhancement meetings investigated software bugs and interacted with developers to resolve technical issues.
  + Compiled, distributed and presented project level test reports (test results, including, defects and statistics).

**Environment/ Technology:** SQL Server, MS Access, Terminal Services, FTP, HP ALM, HP QTP, JMeter, Selenium, Python, Robot Framework, VBScript, HTML, .Net, Windows NT/XP/Vista/7, MS Project, Use case tool and other MS Office Tools

# IBM Canada Date: Jan. 2011 – Jul. 2013

**Test Specialist**

Performed Testing on **Morgan Stanley Cash management project**. Worked closely with business units across the firm to test the post-trade activities of equities and fixed-income securities as well as over the counter (OTC) derivatives. Tested OTC Settlements for the receipt of cash and securities from firm and client trading activity.

# Responsibilities:

* + Take ownership of the Data Quality, RSS, and Data Import components of the corporate software product.
  + Creation and Execution of Test Plan and Test Cases, Test Scenarios & Performed extensive Manual Testing.
  + Ensuring that test results are documented and reviewed with users and business analysts
  + Proactively working with the Development team in resolving defects discovered during testing.
  + Providing guidance and assistance in the User Acceptance Testing phase of a project.
  + Providing quality information to the project teams within agreed to project timelines including timelines, test plans, test cases, and defect logs.
  + Prepared Automation Test Strategy and assist the Testing Team with on-going Automation Test Execution from Quality Center.
  + Used data-driven testing and database accessing techniques during automation scripts development.
  + Created and maintained automated tests using QTP by coding in VB Script.
  + Developed a comprehensive Regression Suite that is executed at the end of each cycle.
  + Test Execution and Scheduling from Quality Center. The test execution is unattended with no manual intervention.
  + Assisting the project team in the resolution of problems by performing sufficient analysis to help determine the root cause of the defects.
  + Providing QA status information to management to determine project timeline tracking capabilities.
  + Reported Bugs using Bug Tracker.
  + Documented and Reviewed Plans and Milestones for projects by organizing weekly meetings.
  + Created the test traceability matrix to make sure that all the requirements are handled in test plan/cases.

**Environment/ Technology:** Quality Center 10, QTP 10, Agile, SCRUM, Windows XP, MS- Excel, Internet Explorer 8, TOAD, Oracle 10g, SQL and PL/SQL

# Logitech Inc. Date: Mar. 2009 – Nov. 2010

**Test Specialist**

Logitech is a world leader in consumer products designed for popular computing devices-pcs and Macs, Tablets and smartphones. **PoPs (Purchase order processing System)** facilitates the function of buying materials /components / products / raw materials at economical cost in a timely manner. This will have broad functionalities of request handling, obtaining quotations including comparison, placing purchase orders and follow-up of purchase orders for timely deliveries, supplier information, vendor wise supply analysis, and purchase payments. This covers all type of Enquiry, Quotations, Comparisons, and Approval of Purchase order. Sending PO to Supplier, maintaining Bills.

# Responsibilities:

* Performed test activities including planning, testing, reporting and resolution.
* Created Test Scenarios for Business Rules and Business Process by creating both positive and negative test cases according to the Business Rules and Business Strategies of the Capstone application.
* Created test plans and executed tests, developed detail test cases, established test matrices as per QA process and methodology and summarized test results for management.
* Responsible for tracking testing results, categorizing issues and creating/distributing trouble reports, managing the defect lists as well as analyzing data to ensure data integrity.
* Identified the test data by organizing multiple test data review meeting and also created test data for specific Test Scenarios and Test Cases using SQL.
* Created different set of test cases for both Equifax and TransUnion Bureaus by interacting with their Development and Testing Teams.
* Compared the decision reports to expected results after execution by using TestDirector for both defect tracking and Test Management.
* Performed Functional, System-Integration, End to End, Regression testing and Business Acceptance Testing.
* Verified the "fixes" for the reported bugs and provided status reports to the management.
* Regular interaction with developers and business analyst in resolving technical issues.
* Participated in Enhancements meeting to distinguish between bugs and enhancements.

**Environment/ Technology:** WinRunner 7.6, Test Director 8.0, LoadRunner 8.0, UNIX, TOAD, Oracle, SQL, File Aid, DB2, Web Sphere, Microsoft Project and Visual Source Safe

# Aviva Insurance Inc. Date: Feb. 2008 – Mar. 2009

**Software Tester**

Aviva is Canada’s Leading independent mortgage and equipment financing companies. The web-based application I worked on was built on dot net technology. The system connects to Equifax credit bureau system to auto approve leasing applications. When the deal is approved by credit analyst or auto approved by the system, the deal is automatically transferred in to the back-end system called Asset.

# Responsibilities:

* + Conducted automated testing on basic functionalities of the application.
  + Tested the functionality of each screen to monitor the proper navigation of all screens.
  + Involved in preparing the Traceability Matrix Excel spread sheets for Test Cases.
  + Involved in testing the data integrity with the backend.
  + Participated in Defect Report meetings with Developers and QA team.
  + Co-ordinate with the developers on the status of bugs reported on a daily basis
  + Logged and assigned defects using Test Director.
  + Executed test scripts using QTP tool and performed interface, functionality, and regression testing on new builds of the software.
  + Utilized Test Director (Defect Tracking Tool) for communication with the developers and team members.
  + Attended reviews and walkthroughs to better understand the requirement document.

**Environment/ Technology:** Test Director, QTP, Java, MS Access, Windows (NT/2000)

# Education:

Master of Science in Microbiology, University of Dhaka, Dhaka, Bangladesh.