

Sabbir-Ul-Alam Sabbir

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Work Experience

CHEQ Lifestyle Technology Inc

Washington, US

SENIOR SOFTWARE QUALITY ASSURANCE ENGINEER

June 2024 - Present

- Defined testing scope by reviewing requirements, specifications, designs and executed test cases.
- Executed the end-to-end automation process using Cypress

TigerIT Bangladesh Ltd.

Dhaka, Bangladesh

SENIOR SOFTWARE ENGINEER (QA)

July 2022 - June 2024

- Led a team of four QA engineers, managing task assignments and ensuring project success
- Owned and ensured successful development and delivery of critical modules
- Created release and test plans, conducted root cause analysis, and improved software quality.
- Developed automated test scripts resulting in a significant reduction in testing time
- Designed and optimized a CI/CD pipeline for efficient testing and deployment.

Dhaka, Bangladesh

SOFTWARE ENGINEER (QA)

July 2019 - June 2022

- Conducted functional, performance, regression, and user acceptance testing.
- Developed Python scripts for automating test data generation and log filtering.
- Collaborated with developers to investigate bugs and optimize workflows.

Skills and Expertise

Languages	Python, JavaScript, C/C++, Dart, Java,
Frameworks	FastAPI, Flutter
Databases	PostgreSQL, Redis, Kudu, ElasticSearch, Minio
Data Analysis	NumPy, Pandas, Scikitlearn, Matplotlib
Testing Tools	Cypress, Burp Suite, Jmeter, Selenium, Postman, Pytest
Bug Reporting	Jira, Asana, Testmo
Others	Kafka, Apache Kudu, ElasticSearch, MQTT, Jenkins, SOLIDWORKS

Notable Projects

Cheq Platform

CHEQ LIFESTYLE TECHNOLOGY INC

June 2024 - Present

- Collaborated with cross-functional teams (development, product, and operations) to enhance system reliability, and usability.
- Authored and executed detailed test cases for functional, regression, and integration testing.
- Conducted device-specific testing for Point-of-Sale (POS) systems.

CommChat

COMMCHAT AG

July 2022 - Present

- Spearheaded quality assurance for a secure messaging app with end-to-end encryption, supporting web, desktop, and mobile devices.
- Conducted rigorous cross-platform testing to ensure feature compatibility and seamless user experience.
- Established efficient test planning, bug tracking, and release management strategies to enhance software reliability.

Bangladesh NID Application System

TIGERIT BANGLADESH LTD

July 2019 - June 2022

- Conducted performance and load testing to validate system scalability and reliability.
- Developed Python scripts for the generation of substantial volumes of data
- Conducted rigorous testing for features of the Android wallet app, including QR code verification, face recognition, and deep link integration
- Collaborated with developers and the DevOps team to assess specific workflows and conduct bug investigations.

Datahub

TIGERIT BANGLADESH LTD

January 2020 - January 2021

- Led extensive API testing efforts for a government data integration hub linking multiple national agencies.
- Developed and executed comprehensive test plans, test cases, and scripts for web applications, desktop applications, and handheld devices.

Other Projects

PYQt_mqtt [↗](#)

- Desktop app for real-time MQTT data subscription.

JenkinsSlackBot [↗](#)

- Python-based slack bot to build and deploy using Jenkins pipeline.

Education

BSc in Computer Science and Engineering

MILITARY INSTITUTE OF SCIENCE AND TECHNOLOGY (MIST)

Dhaka, Bangladesh

2015 - 2019

Higher Secondary Certificate

ADAMJEE CANTONMENT COLLEGE

Dhaka, Bangladesh

2012 - 2014

Secondary School Certificate

ADAMJEE CANTONMENT PUBLIC SCHOOL

Dhaka, Bangladesh

2012

Awards and Certificates

- 2022 **Supervised Machine Learning: Regression and Classification** [↗](#), DeepLearning.AI and Stanford University
- 2022 **Unsupervised Learning, Recommenders, Reinforcement Learning** [↗](#), DeepLearning.AI and Stanford University
- 2021 **Certified Tester Foundation Level (CTFL)** [↗](#), ISTQB® - International Software Testing Qualifications Board
- 2018 **Participation Award**, 4th International Conference on Electrical Engineering and Information & Communication Technology
- 2017 **Participation Award**, Poster Competition for the National Symposium on CWC for the Peaceful Uses of Chemistry
- 2016 **21st among 124 teams**, European Rover Challenge 2016, Poland
- 2015 **Runner up**, Intra-university robotics competition, MIST