

# Md Mahbub Hossain

Quality Engineer | SDET | Test Automation | Saas | Java, Selenium, API, Appium

## Professional Summary

Result-driven Quality Engineer with over 10 years of experience in software test automation across Web, Mobile, and API platforms. Proven expertise in building scalable test automation frameworks using Java, Selenium, Cucumber, Appium, and RestAssured, with CI/CD integration via Jenkins and GitHub Actions. Delivered 50+ high-impact projects in industries including Healthcare and Life Sciences (Telehealth, medical device apps), E-commerce, and Retail SaaS. Known for collaborating with cross-functional teams to deliver customer-focused, high-quality software in Agile, fast-paced environments. Committed to continuous learning and driving excellence in software quality.

## Career Notes

Currently completing a Master's in Computer Science via distance education.

Open to full-time W-2 roles.

## Work history

### Fast Retailing Co., Ltd. - Tokyo, Japan.

Software Engineer in Test, 05/2022 - 01/2024

- Automated functional testing of web and mobile applications using Playwright with JavaScript, ensuring zero business-critical defects in production.
- Developed test scenarios based on risk-based approaches to cover edge cases and improve defect detection rate.
- Designed and led API automation SDK development using Java, Selenium, Cucumber, RestAssured, Jenkins, Swagger; onboarded 5 backend teams to automate 80% of their APIs with 50% less effort.
- Built a Batch Automation Tool with React, Node.js, PostgreSQL, AWS S3 to manage product/order data; removed manual triggers, cut test time by 95%, and enabled full E2E automation.
- Led offshore teams in implementing a production data migration system for staging environments, incorporating automated cleansing, masking, and compliance with security standards using AWS. Reduced 30% false positive issue reporting.
- Worked with cross-functional teams to design and execute test plans, ensuring strong functional and regression coverage in a SaaS environment.
- Regularly triaged defects and contributed to release readiness decisions based on test execution results and automation reports.

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## Education

### Master of Science: Computer Science

02/2024 - 03/2026

Expected completion 03/2026 (distance education)

Maharishi International University

Fairfield, Iowa

### Bachelor of Science : Computing and Information System

12/2001 - 06/2006

London Metropolitan University

London, County of London

## Skills

- Java, JavaScript, Python
- Selenium, Appium, Playwright
- TestNG, Junit
- RestAssured, Postman, Newman
- SoapUI, Swagger, Cypress
- JMeter, LoadRunner, GatLing
- DataDog, Splunk, New Relic
- Jenkins, GitHub Actions
- Maven, Gradle
- AWS, Azure, GCP
- Agile, Waterfall, BDD, TDD
- MSSQL, MySQL, Oracle
- MongoDB, Couchbase, DynamoDB
- Jira, Zephyr, Confluence, TestRail
- Windows, Linux, MacOS

## **Global Geeks Inc. - Tokyo, Japan**

Manager

01/2022 - 04/2022

Worked as Contractor for Rakuten Inc, performing Product Development Manager role

- Developed a bi-annual roadmap for a high-impact caching service at Rakuten Marketplace.
- Authored 50+ user stories, translating business needs into technical API specifications.
- Led 5 successful Agile sprints, ensuring feature prioritization and timely releases.

## **BJIT Inc. – Tokyo, Japan**

Sr. Software Engineer in Test

01/2018 - 12/2021

Worked as Contractor for Rakuten Inc, performing QA Lead role for 4 years

- Scripted functional automation tests for Rakuten Membership Web and smartphone applications using Java, Selenium WebDriver, Cucumber and Appium; integrated it into Jenkins for regular and on-demand regression testing, ensuring all tests passed before deploying new services.
- Developed API automation for Tsunekure APIs using Java, Selenium, Cucumber, RestAssured. Scripted 170 test cases; identified 20+ major defects. Ensured no critical defects in production.
- Conducted release judgment meetings with stakeholders, presenting quality metrics from test execution reports to quantitatively represent overall quality of the release candidate.
- Reviewed and validated test cases, automation scripts, and results from offshore teams, ensuring adherence to quality standards.

## **BJIT Limited – Dhaka, Bangladesh**

Sr. Quality Assurance Engineer

02/2013 - 12/2017

- Led test automation for U.S. clients Panasonic USA and Omron USA, working remotely with teams in California and Illinois to align on quality goals.
- Developed 300+ automation test cases for Panasonic's On4Today Telehealth platform (web and smartphone apps) using Java, Selenium, Appium, Selendroid, and Jenkins.
- Created automation suites for Omron's smartphone apps integrating with embedded medical devices.
- Conducted 80+ PPQA audits, enhancing CMMI compliance and process quality.

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## **Certifications**

09/2009

[ISTQB certified Tester Foundation Level](#)

07/2021

[Scrum Alliance Certified Scrum Master](#)

Valid till: 01/15/27

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## **Accomplishments**

- Designed & executed 5,000+ manual test cases, increasing defect detection.
- Developed 1,000+ UI & API automation scripts, reducing regression testing time significantly.
- Led 80+ PPQA audits, improving CMMI compliance & reducing defect leakage by 30%.
- Delivered 50+ projects with zero critical defects in production.
- Managed & mentored 35+ QA engineers, improving efficiency.