

Md Mahbub Hossain

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Sr. Software Development Engineer in Test (Sr. SDET)

ISTQB-certified Senior Quality Assurance Engineer with over 10 years of experience in both manual and automated testing across web, mobile, and enterprise platforms. Demonstrated success in ensuring the quality of 50+ projects for global industry leaders such as Sony, Toshiba, NTT Data, Omron, Rakuten, and Panasonic. Skilled in designing and implementing automation frameworks for functional, performance, security, fault tolerance, and load testing, integrating CI/CD pipelines for comprehensive UI and API testing.

CI/CD • SQL & NoSQL DBMS • Cloud Computing • Product and Process Quality Assurance
Performance & Load Testing • White & Black Box Testing • Cross-Browser & Cross-Platform Testing
Fault Tolerance & Failover Testing • Test-Driven Development (TDD) • Behavior-Driven Development (BDD)

Languages: Java, JavaScript, Visual Basic

Web: HTML5, CSS, XML, JSON, JavaScript

Web Services: Rest API, Soap API, AWS API

Web/App Servers: Apache, Tomcat

Frameworks: Spring, Spring Boot, JUnit, React, Angular JS, Node.js, Express.js, Selenium, Cypress, SoapUI, Karate, Postman, Appium, Espresso

Databases: MS SQL, MySQL, Oracle, MongoDB, DynamoDB

Design Patterns: Singleton, Strategy, Observer, Factory Method, Abstract Factory, Command, Template, Decorator, Adapter, Facade, Iterator, Composite, Proxy

SDLC: Agile, Waterfall, RAD, TDD, BDD

Tools: Jenkins, Jira, Confluence, RedMine, TestRail, TestLink, Zephyr, DataDog, Maven, Gradle, Eclipse, IntelliJ, VS Code

Platforms: Window, Linux, MacOS

Big Data: Hadoop, Hive

PROFESSIONAL EXPERIENCE

CAREER NOTE: Completed on-campus studies and currently taking distance education courses to complete a **Master's Degree in Computer Science** (Available for full-time, W-2 employment).

Fast Retailing Co., Ltd., Tokyo, Japan • 05/2022 – 01/2024

Software Engineer in Test (Qualifying Manager)

- Designed, scripted and lead the development of an API test automation SDK for Fast Retailing's e-commerce backend platforms using Java, Cucumber, Gherkin, Jenkins, and Swagger.
- Enabled 5 backend teams to automate their 80% of APIs in staging environment, significantly reducing integration and functional bugs identification before production.
- Conceptualized and developed a prototype for Batch Automation Tool to automate product and order data state management, receiving approval led to full development using React, Node.js, PostgreSQL, and AWS S3.
- This batch automation tool streamlined the testing process by enabling on-demand batch execution via Web UI/APIs, removing dependency on manual & schedule based job execution; drastically reduced testing time and made full-fledged E2E test automation feasible for business flows of the e-commerce.
- Led the implementation of a production data migration system for staging environments, incorporating automated cleansing, masking, and compliance with security standards using AWS services.
- Managed seamless migration of 400 GB of production data into staging environments, ensuring more accurate QA and development testing in production-like environments.
- Oversaw the development of in-house QA tools while managing QA teams, including recruitment, onboarding, vendor management, budgeting, and reporting responsibilities.
- Provided leadership and on-the-job training (OJT) for QA teams, ensuring quality and efficiency in all stages of development and testing.

Technologies Used: Java, Selenium, Cucumber, Gherkin, Jenkins, Swagger, Appium, Jira, Confluence, TestRail, Kafka, AWS Lambda, pg_dump, pg_restore, AWS DMS, S3, Postman.

Global Geeks Inc., Tokyo, Japan • 01/2022 – 04/2022

Sr. Manager

Product Development Manager

- Developed a bi-annual roadmap for the team to deliver a high-impact Caching service for the Backend for Frontend (BFF) at Rakuten Marketplace, aligning with business objectives to guide priorities and ensure timely delivery of product features and updates.
- Authored over 50 user stories, translating business scenarios into technical requirements and API specifications to support implementation.
- Managed the product backlog, ensuring effective prioritization of user stories, features, and bugs based on business value and stakeholder input.
- Facilitated sprint planning, retrospectives, and completed 5 successful sprints with minimal deferrals, leading to a smooth release.

Technologies Used: *Swagger, Jira, Confluence, Postman.*

BJIT Inc., Tokyo, Japan • 01/2018 – 12/2021

Sr. Manager

- Scripted UI functional automation tests for Rakuten Membership Services using Selenium WebDriver, Java, Gherkin, Appium, and Jenkins; integrated it into Jenkins for regular and on-demand regression testing, ensuring all tests passed before deploying new services to the staging environment.
- Authored 70 test cases for the Tsunekure APIs, executed manual tests, and automated them using Gherkin, Cucumber, Java, and TestNG; leading to identifying 4 major, 6 medium, and 10 minor bugs.
- Developed automation test cases for revamped ID service APIs using Java, TestNG, RabbitMQ, and Kibana; leading to functional correctness, end-to-end integration, failover handling, and compatibility with legacy systems.
- Conducted release judgment meetings with stakeholders, presenting quality metrics from test execution reports to quantitatively represent overall quality.
- Reviewed test cases, automation scripts, and results from offshore QA teams in China and Bangladesh, providing guidance and hands-on training (OJT) to improve their skills

Technologies Used: *Java, Selenium, Cucumber, Jenkins, Swagger, Appium, Jira, Confluence, TestRail, Kafka, AWS.*

BJIT Limited, Dhaka, Bangladesh • 02/2013 – 12/2017

Sr. Manager QA (06/2014 – 12/20217)

- Estimate QA efforts and costs as a key member of the Steering Committee, analyzing RFPs to ensure thorough planning and resource allocation for project proposals. This strategic contribution played vital role in the company's ability winning projects and deliver high-quality solutions efficiently.
- Reviewed and approved QA reports for all ongoing projects, conducting detailed assessments before sign-off.
- Led bi-weekly PPQA Audits, systematically reviewing project artifacts, processes, comparing with organizational standards. The audit reports significantly enhanced driving improvements in process and product outcomes.
- Scripted 200+ automation test cases using Java, Selenium, Appium for On4Today Telehealth service by Panasonic USA. Worked 1 year in offshore team including 2 weeks in Onsite in Cupertino, CA, USA.

Sr. SQA Engineer (02/2013 – 05/2014)

- Spearheaded the manual testing of Sony's SDNA smartphone applications, SourceNext's PDF writer application.
- Led & performed manual and automation testing of Omron USA using Java, Selenium stack and ensured quality.

Technologies Used: *Java, Selenium, Cucumber, Selendroid, Appium, Jenkins, Swagger, Postman, Git.*

EDUCATION

MS in Computer Science in Programming

(In progress via distance education; expected completion 03/2026)

Maharishi International University, Fairfield, Iowa

Key Courses: *Modern Programming Practice, Advanced Software Development, Web Application Programming, Database Management System, Cloud Computing*

BSc. in Computing and Information System in Programming

London Metropolitan University, London, County of London (06/2006)

CERTIFICATIONS

[ISTQB certified Tester Foundation Level](#)