

MOINUL ISLAM

QA Automation & Security Testing Engineer | AI-Assisted Testing

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PROFESSIONAL SUMMARY

QA Automation Engineer with nearly 6 years of experience testing web, mobile (iOS/Android) and API products across HRMS, e-commerce, logistics and SaaS, including 110+ third-party app reviews for the Mailchimp Partner Program. Built a UI automation framework from scratch and automated web, mobile and API tests with Selenium, Playwright, Appium, Java and Python in Jenkins CI. Uses AI tools such as Claude Code to speed up test design and automation, and is expanding into security testing and VAPT with Burp Suite, OWASP Top 10 and Linux (Ubuntu).

CORE SKILLS

Test Automation: Selenium WebDriver, Playwright, Cypress, Appium, Katalon Studio, TestNG, JUnit, Pytest, Robot Framework, Cucumber (BDD), Page Object Model

API & Performance: Postman, Newman, Rest Assured, JMeter, k6

Security Testing: Burp Suite, OWASP Top 10, Vulnerability Assessment & Penetration Testing (VAPT) fundamentals, authentication & access-control testing

AI & Agents: Claude Code, AI-assisted test design and automation, prompt engineering, Hermes Agent (Nous Research), Telegram bot

Linux & Scripting: Linux (Ubuntu) command line, Python, Java, JavaScript, SQL (MySQL)

CI/CD & DevOps: Jenkins, GitHub Actions, Docker, Git/GitHub, Maven, Gradle

QA Process: Test planning & strategy, requirement analysis, RTM, test case design, functional, regression, smoke, sanity, integration, system, UAT, cross-browser and mobile testing, Agile/Scrum

Tools: Jira, ClickUp, Bugzilla, Trello, Figma (UI validation)

DOMAIN KNOWLEDGE

HRMS & Payroll · Warehouse (WHMS) & Procurement · Logistics & Parcel Delivery · E-commerce & Payment Gateways · Supply Chain & Bill of Materials · Email Marketing SaaS · Digital Advertising

PROFESSIONAL EXPERIENCE

Software Quality Assurance Engineer (Automation)

Jan 2023 – Present

BYSL Global Technology Group

- Established the QA process from the ground up: test strategy, test case standards, requirement breakdowns, RTMs and bug triage in ClickUp and Jira.
- Designed and built a UI automation framework from scratch with Selenium WebDriver, Java, TestNG and the Page Object Model, running regression suites in Jenkins CI.
- Automated API regression with Postman/Newman and Rest Assured, integrated into Jenkins for automated runs and reporting.
- Led QA for the enterprise HRMS suite (Employee, Payroll, Leave, Attendance, WHMS and Procurement) on web and Android, including Appium (Java + TestNG) automation for the mobile app.
- Validated e-commerce cart, checkout, payment gateway and customer account flows, plus logistics and BOM products, across web, iPad, iPhone and Android; verified UI/UX against Figma prototypes.
- Used Claude Code to generate test cases from requirements, scaffold automation scripts and draft clear bug reports, speeding up test design and script writing.

SQA & Test Automation Engineer

Apr 2022 – Dec 2022

Quality Up Services

- Reviewed 110+ third-party apps submitted to the Mailchimp Partner Program.
- Executed end-to-end testing of the Mailchimp mobile web and native apps on iOS and Android.
- Built web and mobile test automation with Python, Selenium and Pytest using BDD/TDD approaches, with HTML and Allure reports.
- Performed API testing with Postman and Rest Assured; reviewed requirements, specifications and technical design documents.

SEBPO

- Tested digital ad creatives (banners) and web-based creative tools across multiple browsers and iOS, Android and Windows devices.
- Wrote and executed end-to-end test cases, scenarios and reports for new and updated features from SRS, wireframes and acceptance criteria.
- Automated repetitive regression checks with Selenium WebDriver and Katalon Studio.
- Ran JMeter performance tests and delivered analysis reports to the development team.

PROJECTS

AI Assistant Bot on Telegram | *Hermes Agent (Nous Research), Nous Portal cloud, Telegram*

- Deployed a Hermes Agent-based AI assistant on Nous Portal cloud and connected it to Telegram, with persistent memory and scheduled tasks.
- Configured it as a QA helper (test cases, bug reports, test data), a personal assistant and a security-learning companion for recon research and notes.

Portfolio Website with CI Quality Gates | *HTML, CSS, JavaScript, Playwright, axe-core, Lighthouse CI, GitHub Actions*

- Static portfolio on GitHub Pages protected by Playwright smoke tests, axe-core accessibility checks and Lighthouse CI; the GitHub Actions pipeline deploys only when every check passes.

TRAINING & CERTIFICATIONS

- **Cyber Security Course** In progress (2026)
- Certification Courses: BITM (BASIS Institute of Technology & Management) and People N Tech

EDUCATION

BSc in Computer Science and Engineering

2020

Bangladesh University of Business and Technology (BUBT)