

# Maisha Maliha Chowa

## SQA Automation Engineer

[Github](#) || [Linkedin](#)

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I am a Detail-oriented SQA Automation Engineer at Koolio.ai, specializing in architecting robust testing frameworks for AI-driven audio editing platforms. Leveraging a strong foundation as an MERN stack engineer, I bridge the gap between development and quality to ensure seamless, end-to-end delivery. Growth-oriented and always evolving with the latest in tech.

## Work Experience

### SQA Automation Engineer | Koolio.ai

April 2024 – Present | Remote

**Key Tech Stack:** Playwright (Python), Selenium(Python), Postman, Locust, GCP, GitHub Actions, PostgreSQL.

**Automation Framework Development:** Engineered and maintained comprehensive UI and API automation suites using **Playwright (Python)**. Also successfully migrated the legacy automation codebase from Selenium to Playwright, improving execution speed and reducing flaky tests.

**End-to-End Testing Life Cycle:** Developed detailed test cases and execution suites from Product Requirement Documents (PRD), ensuring 100% feature coverage for an AI-powered audio editing platform.

**API & Backend Validation:** Conducted rigorous API testing using **Postman** and monitored cloud infrastructure logs and databases within **GCP** to identify and troubleshoot backend bottlenecks.

**Performance & Load Testing:** Utilized **Locust** to perform load testing, identifying system breaking points and ensuring the platform could handle concurrent audio processing tasks.

**CI/CD Integration:** Streamlined the deployment pipeline by integrating automated test suites with **GitHub Actions** and **GCP**, enabling continuous testing and faster release cycles.

**Defect Management:** Orchestrated manual testing efforts and managed the full bug life cycle via **GitHub Issues**, collaborating closely with developers to ensure high-priority fixes were deployed.

## Skills

**Testing Frameworks:** Playwright, Selenium WebDriver, Appium, PyTest.

**API Testing & Tools:** Postman, REST Assured, Swagger, API mocking.

**Performance & Load Testing:** Locust, JMeter.

**Languages & Frameworks:** Python, JavaScript (ES6+), TypeScript.

**Databases & Cloud:** MongoDB, PostgreSQL, Google Cloud Platform (GCP), Firebase.

**DevOps & Tools:** GitHub Actions (CI/CD), Git, Docker, GitHub Projects, Jira.

**Core Competencies:** Automated UI/API Testing, Manual Testing, Bug Life Cycle Management, Test Planning, Performance Monitoring.

## **Education**

BSc in Computer Science & Engineering  
Mawlana Bhashani Science & Technology University  
CGPA - 3.59  
2019 - 2024

## **Languages**

Bangla - Native | English - Fluent