

ANAN AIMAN TUBA

Software Quality Assurance Engineer

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PROFESSIONAL SUMMARY

Senior SQA Engineer with 3+ years of experience building test automation frameworks and setting up CI/CD pipelines. I focus on shifting manual testing workflows into efficient automated environments using Python, Selenium, Playwright, and Cypress. Successfully increased automation coverage from 25% to 70% and maintained a 99.1% defect free production rate for enterprise applications.

TECHNICAL SKILLS

Automation: Python, JavaScript, Selenium WebDriver, Playwright, Cypress, Appium

Testing: Functional, Regression, UAT, Load Testing (Apache JMeter), API Testing (FastAPI, Postman), Database Testing

Tools: Jira, ClickUp, GitLab CI/CD, GSheet

Databases: PostgreSQL, Oracle, noSQL

Methodologies: Agile/Scrum Leadership, Test Strategy & Planning, Defect Lifecycle Management.

PROFESSIONAL EXPERIENCE

Software Quality Assurance Engineer

Celloscope Limited

02/2023 – Present
Bangladesh

- Automation:** Developed hybrid automation frameworks using Python, Playwright, and Cypress, which increased test coverage from 25% to 70%.
- Release Quality:** Managed functional and load testing cycles to maintain a 99.1% defect-free production rate for critical deployments.
- Mobile Testing:** Configured Appium automation for Android and iOS, reducing release-critical mobile bugs by 30%.
- API Testing:** Led API testing strategies using FastAPI and Postman, establishing strict rules that caught 50% of logic errors before the UI stage.
- CI/CD:** Integrated automated tests into GitLab CI/CD pipelines, ensuring that regression suites run automatically on every merge request.
- Process Improvement:** Refined Agile workflows and Jira configurations, which increased sprint velocity and sped up bug fixes by 25%.
- Documentation:** Authored technical documentation and analytics reports, giving stakeholders 3x better visibility into project health.

Junior Software Quality Assurance Engineer

Spectrum Engineering Consortium Limited

11/2021 – 01/2023
Bangladesh

- Defect Resolution:** Collaborated with developers on root-cause analysis, cutting the average bug fix time from 18 hours to 8 hours.
- Script Stability:** Applied reliable XPath/CSS locator strategies to ensure 95% script reliability, even for complex web pages.
- Integration:** Executed end-to-end integration testing across Manual, API, and Database points, reducing system integration issues by 30%.
- Legacy Systems:** Updated legacy web automation suites using Selenium and Cypress, improving execution reliability by 5%.

PROJECT EXPERIENCE

Bangladesh Customs User Management | Web Portal

- **Impact:** Conducted full-stack QA for high-security government data, automating critical UI workflows to ensure zero critical failures during production.
- **Tech Stack:** Selenium, PostgreSQL, Manual Testing.

Agriculture Cluster Admission System | Web & Mobile App

- **Impact:** Developed the automation roadmap and a robust Cypress suite, managing the bug lifecycle for API and load testing to streamline the admission process.
- **Tech Stack:** Cypress, Mobile Testing, API Testing.

IDRA UMP & BI | Insurance Web Portal & Mobile App

- **Impact:** Implemented automated scripts for core insurance modules and verified data integrity through complex SQL validation strategies.
- **Tech Stack:** Cypress, SQL, Manual Testing.

Agent License Online (ALO) | Web Portal

- **Impact:** Established the automation framework from scratch, enabling significantly faster feedback loops for the licensing approval module.
- **Tech Stack:** Cypress, Automation Architecture.

Bangladesh Customs Agent Management System | Web Portal

- **Impact:** Directed client deliverables and performed comprehensive full-stack testing, including the creation of custom automation scripts.
- **Tech Stack:** Cypress, API Testing, Database Testing.

Microcredit Regulatory Authority (SIB) | Web Portal

- **Impact:** Coordinated QA operations for the Staff Information Bureau, executing API tests and automating analytics reporting with Jasper.
- **Tech Stack:** Cypress, Jasper Report, API Testing.

EDUCATION

Bachelor of Science in Computer Science & Engineering (CSE)

2016 – 2021

East West University

Higher Secondary Certificate (HSC)

2014

Govt. Azizul Haque College

Secondary School Certificate (SSC)

2012

Bogra Govt. Girls High School

CERTIFICATIONS & TRAINING

- **Advance Automation** | IT Training BD
- **SQA & Cyber Security Course** | IT Training BD