

# Md. Sirajus Salekin

Software Quality Assurance Engineer | Automation & API Testing

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## Impact Summary

Software Quality Assurance Engineer with **4.8+** years of experience delivering production-grade web platforms across government and education sectors. Specialized in automation with Playwright (Python), API testing, and performance validation. Proven record of cutting regression cycles by **60%**, reducing post-release defects by **40%+**, and enabling on-time releases for large-scale systems used by millions of users. Trusted partner to developers and product owners in Agile/Scrum environments.

## Core Technical Skills

**Automation:** Playwright (Python), Page Object Model, Data-driven Testing **Manual Testing:** Functional, Regression, Integration, UAT, Exploratory **API Testing:** Postman, Auth validation, Business logic, Data integrity **Performance:** JMeter (Load, Stress, Endurance) **CI/CD:** Jenkins, GitHub Actions **Tools:** Jira, Git, Chrome DevTools **Concepts:** SDLC, STLC, Defect Lifecycle, Risk-based Testing **Languages:** Python, SQL, Java (basic)

## Professional Experience

**Ethics Advance Technology Ltd.** — Software QA Engineer *Jan 2021 – Present / Dhaka, Bangladesh*

- Owned end-to-end QA for **large-scale government and education platforms**, supporting frequent production releases.
- Designed, reviewed, and executed **900+ test cases** covering functional, regression, integration, and UAT scenarios.
- Built and maintained **automated regression suites** using Playwright (Python), reducing release validation time by **60%**.
- Led **API testing strategy** using Postman, validating authentication, role-based access, workflows, and backend data consistency.
- Executed **performance and load testing** using JMeter, simulating **1,000+ concurrent users** to identify bottlenecks.
- Reported, tracked, and verified **1,200+ defects** in Jira with precise reproduction steps and impact analysis.
- Worked directly with developers and product owners to unblock releases and enforce **quality gates before production**.

**One Information & Communications Technology Ltd.** — Junior QA Engineer *Sep 2019 – Dec 2020 / Dhaka, Bangladesh*

- Executed comprehensive manual testing across system, regression, integration, and UAT phases.
- Translated SRS and business requirements into **clear, executable test scenarios and edge cases**.

- Prepared structured test cases, test data, and sanity checklists for release cycles.
- Identified high-impact defects early, preventing critical issues from reaching production.

## Selected Projects

### **Integrated Education Information Management System (IEIMS)** *Government Platform / Nationwide Deployment*

- Led QA activities for **10+** mission-critical government modules.
- Identified and logged **450+** medium/high severity defects.
- Strengthened release stability through **risk-based regression and data validation**.

### **School Management System / Learning Management System (LMS)**

- Designed and executed **350+ test cases** across academic, LMS, quiz, and content modules.
- Automated high-risk user journeys and validated backend APIs and performance.
- Reduced production issues by **35%** within two major release cycles.

## Career Achievements

- Cut regression execution time by **60%** through targeted automation.
- Reduced post-release defects by **40%+** using early-stage testing and defect trend analysis.
- Contributed to platforms serving **nationwide users** with zero critical production failures during releases.

## Education

**American International University–Bangladesh (AIUB)** B.Sc. in Computer Science and Engineering 2015 – 2019

**B.C.I.C College** Higher Secondary Certificate (HSC) 2010 – 2012