

NASER AL NOMAN

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PROFILE STATEMENT

Computer Science graduate with hands-on Software Quality Assurance experience testing CRM and EMR web applications. Skilled in manual testing, REST API validation, SQL-based database verification, regression testing, and Playwright Test Automation. Experienced collaborating with cross-functional teams in Agile environments to deliver high-quality software through frequent release cycles and continuous process improvement.

EXPERIENCE

SJ Innovation LLC

Mar '26 – Jul '26

Software Quality Assurance Engineer (Trainee)

Dhaka, Bangladesh

- Designed and executed manual test cases and test scenarios while performing functional, regression, smoke, and release validation for frequent software deployments.
- Performed REST API testing using Postman, validated backend business logic, and verified database integrity using SQL.
- Identified, documented, and tracked defects in JIRA, collaborating closely with developers to ensure timely resolution and high software quality.
- Investigated application issues using API responses, browser developer tools, and application logs.
- Automated end-to-end test scenarios using Playwright to reduce repetitive manual testing efforts.
- Collaborated with developers, QA engineers, and product stakeholders to clarify requirements and improve software quality.
- Nominated as performer of the month for contributions in the CRM project

Nov '25 – Mar '26

Software Quality Assurance Engineer (Internship)

Dhaka, Bangladesh

- Assisted in executing manual test cases for web-based applications.
- Supported the identification, documentation, and reporting of software defects.
- Collaborated with QA engineers and developers throughout the software testing lifecycle.
- Nominated as performer of the month for contributions in the EMR project

TECHNICAL SKILLS

- Programming:** Python, JavaScript
- Software Testing:** Manual Testing, Functional Testing, Regression Testing, Smoke Testing, BDD (Gherkin), Integration Testing, REST API Testing, End-to-End Testing, Test Case Design
- Testing Tools:** Postman, Playwright, Selenium, JIRA, JMeter
- Database:** MySQL, MongoDB, SQLite, SQL Querying, Data Validation
- Development Tools:** Git, GitHub, GitHub Actions, VS Code
- Methodologies:** Agile (Scrum, Kanban), Bug Tracking, Test Documentation
- Other:** $\text{\LaTeX}$, Arduino

EDUCATION

BRAC University

Jun '21 – Oct '25

Bachelor of Science in Computer Science & Engineering

CGPA 3.51

Mirpur Cantonment Public School & College

Jul '18 – Dec '20

Higher Secondary Certificate

GPA 5.00

EXTRACURRICULAR

Mongol Tori

Oct '22 – Dec '24

Research & Documentation, AI & Autonomous Subteam

Dhaka, Bangladesh

- Contributed to test planning and validation of AI models and autonomous navigation logic, identifying performance issues and documenting test outcomes.
- Implemented data-driven decision logic using Python and ROS for object detection.
- Collected and analyzed performance data from rover sensors to validate autonomous navigation behavior and identify system performance issues.

BRACU Express

June '21 – Nov '23

Sports Journalist & Editor

Dhaka, Bangladesh

- Conducted interviews and gathered qualitative data for publication, enhancing reporting accuracy.
- Analyzed readership trends using Excel to track article engagement metrics.
- Collaborated with a diverse editorial team, developing strong communication and presentation skills for client-facing tasks.

ACHIEVEMENTS

- 1st Runner Up – NASA Space Apps Challenge 2022 (Dhaka Region):** Built a web-based space data visualization platform to display stellar variability and 3D planetary models using real scientific datasets.
- Math Olympiad:** Achieved 3rd place in BAGHC, 2017
- Science Project:** Achieved 3rd place in BAGHC, 2017
- Performer of the Month:** Nominated as performer of the month at both times during internship and trainee period in SJI

PROJECTS

API Automation Platform

[\[GitHub\]](#) — [\[Live Demo\]](#)

React • Node.js • Express • PostgreSQL • Postman • Newman • GitHub Actions

- Built a full-stack platform to automate REST API testing using Postman collections and Newman with a web-based execution interface.
- Implemented collection and environment management, JSON Schema validation, HTML report generation, and execution history tracking.
- Integrated GitHub Actions CI/CD pipelines to automatically execute API test suites, publish reports, and monitor pass rates across builds.

Enterprise Playwright Automation Platform

[\[GitHub\]](#) — [\[Live Demo\]](#)

React • Vite • TypeScript • Node.js • Express • Prisma • Playwright • NeonDB

- Developed a full-stack QA automation platform to execute Playwright test suites from a web dashboard with real-time execution monitoring using Server-Sent Events (SSE).
- Implemented JWT authentication with role-based access control (RBAC), test suite and test case management, execution history, analytics, and artifact viewing.
- Integrated GitHub Actions CI/CD to automatically ingest test runs, attach Allure reports, and centralize Playwright execution results for continuous quality monitoring.

AI Test Case Generator

[\[GitHub\]](#) — [\[Live Demo\]](#)

Python • Streamlit • Google Gemini • Pandas

- Developed an AI-powered application that converts software requirements and user stories into structured test cases.
- Leveraged the Google Gemini API to generate functional, boundary, negative, and edge-case scenarios automatically.
- Enabled review, editing, and CSV/Excel export of generated test cases to streamline QA documentation and collaboration.

QA Analytics Dashboard

[\[GitHub\]](#) — [\[Live Demo\]](#)

Python • Streamlit • Pandas • Plotly

- Built an interactive QA dashboard for analyzing software testing results from CSV, JSON, and Excel datasets.
- Visualized key quality metrics including pass rate, defect density, flaky tests, MTTR, test execution trends, and severity distribution.
- Created dynamic Plotly dashboards with KPI tracking and failure-to-defect correlation analysis to support data-driven QA decisions.

Blood Donation Services

[\[GitHub\]](#) — [\[Live Demo\]](#)

Python • Flask • SQLite • Cryptography

- Developed a Flask-based blood donation platform for managing donor registrations, blood requests, and donation campaigns.
- Implemented donor search by blood group and location with secure authentication and encrypted sensitive user data.
- Designed an SQLite database for efficient donor management, request tracking, and campaign administration.

REFERENCES

Rajib Chowdhury

Module Lead, SJ Innovation LLC

Contact: rajib.brunel@yahoo.co.uk

Phone: +8801776220433

LinkedIn: <https://www.linkedin.com/in/rajib-chowdhury-brunel/>

Experience: 20+ years of experience in software industry

Tamzida Azad

SQA Engineer L3, SJ Innovation LLC

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LinkedIn: <https://bd.linkedin.com/in/tamzidaazad>

Experience: Software Quality Assurance Engineer with 4+ years of experience