

Md. Emon Mahmud

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CAREER OBJECTIVE

Detail-oriented Computer Science graduate transitioning into **Software Quality Assurance (SQA)**. Leveraging a strong technical background in MERN Stack development and Database Management to excel in **Manual and Automation Testing**. Skilled in SDLC, STLC, and Defect Management. Passionate about ensuring software reliability through rigorous testing and eager to contribute as an SQA Engineer.

EDUCATION

Independent University, Bangladesh

Dhaka, Bangladesh

Bachelor of Science in Computer Science and Engineering; CGPA: 3.18

2019 – 2024

SKILLS

SQA & Testing: Manual Testing, Test Case Design, Bug Reporting, SDLC, STLC, Regression Testing, API Testing

Languages: Python, JavaScript (ES6+), PHP, SQL, C++

Databases: MongoDB, MySQL

Web Frameworks: React.js, Node.js, Express.js, Tailwind CSS, HTML5, CSS3

Libraries & APIs: Axios, Tanstack Query, Tanstack Table, SWR

Tools: Jira (Bug Tracking), Postman, Git, GitHub, VS Code

EXPERIENCE

SQA Engineer Intern

Remote

February 2026 – Present

- Executing **Manual Testing** (Smoke, Sanity, Regression) on web applications to ensure functional stability.
- Designing detailed **Test Cases** and Requirement Traceability Matrix (RTM) to ensure 100% test coverage.
- Reporting and tracking defects using **Jira**, providing clear reproduction steps and severity levels for developers.
- Performing API validation using **Postman** to verify response data and status codes.

MERN Stack Developer

Dhaka, Bangladesh

October 2025 – Present

- Developing robust web applications using MongoDB, Express, React, and Node.js to deliver scalable client solutions.
- Utilizing **Tanstack Query** and **Axios** for efficient data fetching and state management in complex applications.
- Collaborating with cross-functional teams to design and implement RESTful APIs for seamless integration.

Front-End Developer Intern

Dhaka, Bangladesh

April 2024 – July 2024

- Contributed to the UI development of a CRM system, ensuring responsiveness and cross-browser compatibility.
- Collaborated closely with the QA team to identify and fix UI bugs, gaining practical insight into the software lifecycle.
- Validated API responses and data flow between front-end and back-end to prevent data inconsistency errors.

KEY PROJECTS

LankaBangla Securities System | <https://github.com/emonmahmud1>

- Developed a secure and user-friendly web platform for financial services using Database Management System concepts.
- Streamlined account creation and verification processes, improving customer experience and regulatory compliance.

Career Hub | <https://careerhubapp.netlify.app>

- Built a job portal using React.js, JavaScript, and Tailwind CSS with DaisyUI for a modern interface.
- Simplified the job application process to ensure a seamless user experience and higher engagement.

Recipe Calories | <https://recipe-calories-b9-a7.netlify.app>

- Crafted a health-tech website using React.js and integrated external APIs to fetch meal data.
- Enabled real-time calorie calculation logic, allowing users to verify nutritional values before ordering.

Book Blend | <https://book-blend.netlify.app>

- Developed a responsive book review website using React.js, Tailwind CSS, and HTML5/CSS3.
- Focused on clean UI/UX design to provide an optimal reading and reviewing experience for users.

EXTRACURRICULAR ACTIVITIES

IUB ACM Student Chapter

2021 – 2022

General Member

Independent University, Bangladesh

SETS Fest (IUB ACM Student Chapter)

March 2022

Volunteer

Independent University, Bangladesh

Intra IUB Programming Competition

August 2022

Participant

Independent University, Bangladesh

IUB Tech Fest

Autumn 2022, Summer 2023

Participant

Independent University, Bangladesh