

Aminul Islam Saqib

Software Developer

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SUMMARY

Server-side software developer with 3 years of experience in building scalable RESTful APIs using **Express** and **NestJS** on the **Node.js** platform. Experienced in implementing **microservices** with **Docker** and optimizing applications for the best performance. Passionate about writing clean, testable, and reusable code, I thrive in agile environments. I enjoy facing challenges, working with cross-functional teams, and constantly learning new technologies.

EXPERIENCE

Sayburgh Solution Ltd, BD — Software Developer (Nodejs)

(Aug 6/2023 – present)

Responsibilities:

- Developed various features for the edtech project Somoy School, including lesson module locks, podcasts, OTP and QR code generators, token management, certificates, quizzes, authentication, and client-side APIs.
- Dockerized all projects that I worked from scratch to ensure consistent development environments.
- Conducted code reviews, optimized code, and shared knowledge with the team.
- Built a microservices-based POS system (B2C), including project architecture, APIs, and communication services with RabbitMQ.
- Integrated online payment gateways into applications, enhancing transaction processes.
- Developed a livestock project for the government from scratch, including client-side APIs.

Lexoro GmbH, Germany — Software Developer

(April 2021 – April 2023)

Responsibilities:

- Developed web crawlers using Node.js and Python to automate data collection and create unified data models.
- Built REST APIs and business logic with Nodejs & Spring Boot for web applications.
- Enhanced user experience by collaborating with cross-functional teams to implement new features.
- Improved application performance by optimizing code and eliminating bottlenecks.
- Conducted unit and integration testing to ensure application reliability.
- Engaged in agile practices like daily stand-ups and sprint planning for efficient project delivery.

SKILLS

Server-Side Skills:

• JavaScript • Typescript • Python • Java • SQL (MySQL and PostgreSQL) • NoSQL (MongoDB, Redis)

Libraries, frameworks and devOps:

• ExpressJs • NestJs • Spring Boot • Flask • Git, Docker, RMQ

Client-Side Skills:

• React • JavaScript • HTML/CSS • TailwindCSS

Industrial Skills:

Agile methodology, MVC Model, Clean-Code Architecture, Cross-platform development, OOP, Software testing and debugging, REST API design, Test driven development, Linux, Teamwork, Interpersonal Communication skills, Practical knowledge of SQL, Mongo and database concept, Experience with Cloud Based technology Azure and microservices.

EDUCATION

American International University Bangladesh (AIUB) — CSE

(June 2017 – Apr 2021)

Govt. Tolaram College N.gan — HSC

(2015 – 2016)

PROJECTS

Somoyer School — Sayburgh Solution Limited

Somoyer School is an EdTech platform designed for content creation and media courses, offering premium access to video lessons, quizzes, assignments, and certificates upon course completion.

- Developed and maintained the backend architecture using NestJS, ensuring scalable and efficient server-side operations.
- Designed and implemented RESTful APIs to handle functionalities such as lesson unlocking, assignment submission, token authorization, promo code, QR code, and certificate generation, and quiz features.
- Integrated MongoDB as the database to manage data, optimizing queries for improved performance.
- Implemented SSLCOMMERZ payment gateway integration to enhance security and user experience.
- Collaborated closely with frontend developers to ensure seamless API integration.

B2C Online Food Delivery Platform — Sayburgh Solution Limited

Developed a consumer-facing online food delivery platform as a part of the Foodqo restaurant management system (B2B). Due to confidentiality, detailed project information is not publicly available.

- Established the foundational architecture using microservices with **NestJS**, implementing robust features such as authentication, authorization, guards, two-step tokenized verification, and client-side API implementation.
- Ensured data integrity with pagination.
- Integrated **MongoDB** for efficient data management and used **Docker** for containerization.
- Leveraged **RabbitMQ** for seamless inter-service communication, ensuring reliable message delivery across services.

Livestock project — Sayburgh Solution Limited

This project is focused on managing livestock transactions, tailored for a specialized audience, with real-time data updates and secure payment gateway integration to facilitate financial transactions. Further details are confidential as the project has not yet been launched into production.

- Developed the backend architecture for a livestock payment calculation platform using **NestJS** and **MongoDB**, focusing on scalability and performance optimization.
- Designed and implemented **RESTful APIs** for functionalities such as payment execution, user management, and data retrieval.
- Integrated secure payment processing with the **bKash payment gateway**, implemented OTP verification, and set up role-based access control.
- **Dockerized** the application for consistent deployment, **optimized code** for maintainability, and collaborated closely with frontend developers to ensure seamless API integration.

Meda-X — Lexoro GmbH

A data collection and analysis software for medical researchers, serving as a resource collector application.

- Developed a web crawler in **Node.js** with **Cheerio** to collect data from various websites and keep track of records using **Redis**.
- Built backend business logic, service layers, and REST APIs using **Spring Boot** to integrate the collected data and storage was **PostgreSQL**.
- Collaborated with the frontend team to ensure seamless integration between the frontend and backend.

KarslTorz — Lexoro GmbH

A data collection and analysis software for healthcare professionals.

- Developed the business logic for the application using **Node.js** with the **Express.js** framework.
- Created a **Python** web crawler using the **Selenium** library to scrape data from various sites.
- Developed the backend using **Node.js** and built **REST APIs** to integrate and manage the collected data with **PostgreSQL**.