# Muhammad Sayyedul Awwab

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## EXPERIENCE

- **Software Engineer** *Oct 2024 – Present*
  Echologyx Ltd, Dhaka, Bangladesh

  - Currently working for a highly scalable, event-driven ecommerce platform based in the UK, designed with a microservices architecture comprising over 30 interconnected services and extensive internal packages.

- **Junior Software Engineer** *Sep 2022 – Sep 2024*
  Bdjobs.com Ltd., Dhaka, Bangladesh

  - Resolved 200+ critical issues and troubleshoot challenges as they arise in the existing employer system.
  - Implemented new features on the employer platform and involved in migration to new technology.
    * Automated invoice generation for online payments of job posting services, reducing manual processing by the accounts team by 60%.
    * Spearheaded the seamless transition of the Job Posting System from legacy technology to .NET Core Web API using Layered Architecture, Repository Pattern within a collaborative team environment.
    * Involved in the migration of Applicant Hiring Activity Process API to .NET Core Web API using Clean Architecture, Domain Driven Design, Repository Pattern, etc.

- **Software Engineer Intern** *Jan 2021 – Apr 2021*
  BusinessBee Consulting Ltd., Dhaka, Bangladesh

  - Created an admin dashboard with user authentication & authorization and CRUD features to manage the content of the website and form submissions from the customers.
  - Developed the frontend of the website using HTML, CSS, and JavaScript and used PHP to develop the backend of the website.

## PROJECTS

- **Ecommerce Microservice -** *GitHub*

  - Implemented functionalities for managing products, categories, user authentication, and orders for an ecommerce platform with Catalog, Identity, Ordering, Cart, Payment services. It is a project in progress!
  - .NET Core 8 Web API, Microsoft SQL Server, Redis, RabbitMQ, Docker.
  - Architecture Patterns: Clean architecture, Domain-driven design (DDD), CQRS.

- **Job Posting System**

  - Analyzed the existing system to identify the code complexity, data flow and state management deficiency.
  - Planned the technology and architecture to simplify the complex codebase for efficient data flow and state management.
  - Extracted the business logic from the legacy system and divide it into manageable tasks to enhance team collaboration.
  - Structured the project to integrate seamlessly with existing business processes.
  - Built the API using .NET Core following layered architecture, repository pattern in a team setting.
  - Successfully migrated the system, leading to the delivery of an improved job posting system that attained 95% customer satisfaction.

- **Ecommerce API (Monolithic) -** *GitHub*

  - Implemented various functionalities for managing products, categories, user authentication, reviews, and orders for an ecommerce platform in a monolithic architecture. It is a project in progress!
  - Used .NET Core, PostgreSQL, Redis, Docker implementing Clean Architecture, Domain Driven Design, CQRS, Repository Pattern etc.

## SKILLS

- **Languages:** C#, JavaScript, Typescript, SQL.

- **Frameworks, Platforms & Libraries:** .NET Core, SQL Server, PostgreSQL, Redis, Docker, Git & GitHub

## EDUCATION

- **BSc in Information and Communications Engineering** *Dhaka, Bangladesh*
  Bangladesh University of Professionals (BUP), CGPA: 3.68/4.00 *2022*

- **Higher Secondary Certificate (HSC)** *Dhaka, Bangladesh*
  Saint Joseph Higher Secondary School, GPA: 5.00/5.00 *2017*

## LANGUAGES

- **Bangla:** Native or bilingual proficiency

- **English:** Full professional proficiency