

Muhammad Sayyedul Awwab

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Portfolio - sayyedulawwab.com | GitHub - github.com/sayyedulawwab

EXPERIENCE

- **Software Engineer** Oct 2024 – Present
Echologyx Ltd, Dhaka, Bangladesh
 - Contributing to 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.
 - Developing backend services using .NET Core following CQRS, Clean Architecture and Repository Pattern
 - Leveraging NServiceBus for inter-service communication and unit tests using xUnit and MSpec
 - Utilizing Azure DevOps for CI/CD pipelines and deploying solutions to Azure Cloud
- **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.
 - * Built a number of Background ETL Worker services for migrating data from SQL Server to MongoDB.
- **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 authorization with JWT access token and refresh token, and placing orders, etc. for an ecommerce platform with Catalog, Identity, Ordering, Cart, Payment services and an API Gateway. It is a project in progress!
 - Built with .NET Core 8 Web API, Microsoft SQL Server, Redis, RabbitMQ, Docker following Clean Architecture, Domain-Driven Design (DDD) and CQRS.
- **Job Posting System Migration of bdjobs.com**
 - 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.
 - Implemented the overall architecture of the project to integrate seamlessly with existing business processes.
 - Built the API using .NET Core following Layered Architecture, Repository Pattern with a collaborative team.
 - Successfully migrated the system, leading to the delivery of an improved job posting system that attained 99% customer satisfaction.

- **Ecommerce API (Monolith)** - [GitHub](#)

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

SKILLS

- **Languages:** C#, JavaScript
- **Backend & Architecture:** .NET Core, RESTful APIs, CQRS, Clean Architecture, Domain-Driven Design (DDD), Repository Pattern, Microservices
- **Databases & Caching:** SQL Server, PostgreSQL, MongoDB, Redis
- **Messaging:** RabbitMQ
- **Tools & DevOps:** Docker, Git & GitHub, Azure DevOps, JIRA

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*