Muhammad Sayyedul Awwab

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PROFESSIONAL EXPERIENCE

- **Senior Programmer**
Epyllion Group
Dhaka, Bangladesh
July 2025 – Present

  - Design and develop backend services using .NET Core following CQRS, Clean Architecture, and DDD, ensuring scalability and maintainability.
  - Build secure, high-performance APIs integrated with React frontend, enabling faster delivery of business-critical features.
  - Contribute to CI/CD pipelines in Azure DevOps, enabling faster and more reliable deployments.
  - Provide constructive code review feedback that reduced bugs and improved code quality.

- **Software Engineer**
Echologyx Ltd. UK
Dhaka, Bangladesh
Oct 2024 – July 2025

  - Contributed to a highly scalable e-commerce platform (30+ interconnected microservices) built with .NET.
  - Developed backend services using CQRS, Clean Architecture, and Repository Pattern, improving modularity and maintainability.
  - Implemented inter-service communication using NServiceBus and wrote unit tests with xUnit, increasing code coverage and reliability.
  - Collaborated in building CI/CD pipelines with Azure DevOps for automated testing and deployments.
  - Provided peer code review feedback that improved maintainability and reduced technical debt.

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

  - Resolved 200+ critical production issues in the employer system, improving platform reliability.
  - Automated invoice generation for online payments of job posting services, reducing manual processing by 60%.
  - Led the migration of the Job Posting System from legacy technology to .NET Core Web API, applying Layered Architecture and Repository Pattern to enhance maintainability and scalability.
  - Analyzed and decomposed legacy code into modular units, enabling parallel development and improving maintainability.
  - Migrated the Recruitment Center APIs to .NET Core using Clean Architecture, DDD and Repository Pattern, improving modularity and long-term maintainability.
  - Built ETL background worker services with Hangfire to migrate and sync data from SQL Server to MongoDB.
  - Collaborated with frontend and QA teams throughout migration, delivering features with 99% customer satisfaction.

PROJECTS

- **E-commerce Microservice -** *GitHub*

  - Designed a distributed e-commerce platform with Catalog, Identity, Ordering, Cart, and Payment (in progress) microservices, behind an API Gateway.
  - Developed backend services using .NET Core, CQRS, Clean Architecture, and DDD.
  - Integrated RabbitMQ for Event Driven Communication, Redis for caching, and SQL Server for persistence.

- Implemented JWT authentication with refresh tokens for secure access.
- Used Docker for containerization and Serilog + OpenTelemetry + Seq for centralized logging.

SKILLS

- **Languages:** C#, JavaScript
- **Frameworks and Libraries:** ASP.NET Core, Entity Framework Core, Dapper, MediatR, FluentValidation, xUnit, Serilog, OpenTelemetry
- **Architectures and Patterns:** REST APIs, Microservices, Modular Monolith, Clean Architecture, CQRS, Domain-Driven Design (DDD), Repository Pattern
- **Databases and Caching:** SQL Server, PostgreSQL, MongoDB, Redis
- **Messaging and Communication:** RabbitMQ, NServiceBus, MassTransit
- **DevOps and Tools:** Git, GitHub, Docker, Azure DevOps, CI/CD, JIRA

EDUCATION

- **BSc in Information and Communications Engineering**
  Bangladesh University of Professionals (BUP), Dhaka | 2022 | CGPA: 3.68/4.00
- **Higher Secondary Certificate (HSC)**
  Saint Joseph Higher Secondary School, Dhaka | 2017 | GPA: 5.00/5.00