

# MOHAMMAD ASHIQUL ISLAM



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## CAREER VISION

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Passionate about programming. Strong desire to work in a challenging environment where utilize my education and skills. Looking for an opportunity to work for reputed software company that can help me to achieve my goal.

## WORK EXPERIENCE

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### Sr. Software Engineer at **Gakk Media (BD) Ltd.**

📅 October 2023 – July 2024

- Developed RESTful APIs using **.NET**, **Entity Framework**, and **SQL Server**, optimizing data management for scalability and performance, resulting in a 30% increase in data retrieval speed.
- Designed and implemented a visually appealing and intuitive frontend utilizing **NextJS**, enhancing engagement.
- Integrated payment APIs including **Nagad** and **bKash** to facilitate seamless transaction processing.

### Software Engineer at **Daniyal Technologies**

📅 March 2023 – September 2023

- Developed API using **NestJS**, **TypeORM**, and **MySQL**, ensuring efficient and scalable data management, resulting in a 20% reduction in response time.
- Developed API using **.NET** and **Entity Framework**, improving data consistency and reducing latency.
- Implemented fast search functionality using **Elastic NoSQL database**, enhancing user experience with faster and more accurate search results.
- Designed frontend using **NextJS** and **Vue**, creating a visually appealing and user-friendly interface, increasing user satisfaction

### Programmer at **Computer Ease Limited**

📅 July 2021 – Feb 2023

- Successfully migrated a **.NET application** and database from a **virtual machine** to **Azure Services**, resulting in improved application performance and reduced infrastructure costs.
- Developed enterprise software for various companies, meeting client requirements and delivering high-quality software within project timelines.
- Implemented system designs provided by the team lead, ensuring adherence to coding standards and best practices.

## TOOLS AND SOFTWARE

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**Framework:** .NET, .NET Core, Entity Framework, ADO.NET, Dapper, NestJS, NextJS, VueJS

**Languages:** C#, JavaScript, TypeScript, C++

**Database:** SQL Server, SSRS, SSIS, MySQL, PostgreSQL

**Cloud Computing Technology:** Azure Service, Azure VM, Azure SQL, Azure blob, Azure Function

**Container Technology & Management:** Docker

**Version Control:** Git, GitHub, SVN

## EDUCATION

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B.Sc. in Computer Science and Engineering  
**Ahsanullah University of Science and Technology**

📅 November 2015 – February 2020

- CGPA 3.645 out of 4

Higher Secondary Certificate (H.S.C.)

**Govt. Azizul Haque College, Bogura**

📅 2014

- GPA 5 out of 5

# PROJECTS

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## TradeTrack (Point of Sale System)

**Project Overview:** TradeTrack is a small business Point of Sale (POS) system that I developed. The project encompasses a robust architecture with a backend built on the **.NET Framework**, implementing the **Clean Architecture principles**. The frontend, on the other hand, is developed using the **Angular** framework. One of the key design patterns utilized in the backend is the **CQRS (Command Query Responsibility Segregation)** pattern, which enhances the separation of concerns in the application. To facilitate the implementation of CQRS, I employed the **MediatR library**, which helped manage commands and queries effectively. To ensure maintainability and flexibility, the **repository pattern** was adopted. This pattern abstracts the data access layer, making the application more modular and allowing for easier future updates.

**Language:** C#, TypeScript

**Tools:** .NET, Entity Framework, Angular

**Database:** SQL Server

## Online Sales and Distribution System (OSDS)

**Project Overview:** This is the most popular secondary sales and distribution system in Bangladesh with the capability of designing complex and fully dynamic promotion and incentive modules. This system covers the whole secondary sales and related supply chain related business requirements.

**Project Link:** [arlacompass.azurewebsites.net/flogin](http://arlacompass.azurewebsites.net/flogin)

**Language:** C#, JavaScript

**Tools:** ASP.NET, Telerik, REST Services, SOAP Service, SSRS, SSIS, Windows Service

**Database:** SQL Server

## MyPlay Game

📅 October 2023 – Current

**Project Overview:** MyPlay Games is an online platform where users can subscribe and play various games. The project involved developing a robust backend API and an interactive frontend interface.

- Successfully developed and deployed a scalable API using **.Net 6**, ensuring smooth and efficient game interactions.
- Designed and implemented a responsive and user-friendly frontend interface using **React** and **Ant Design**, enhancing the user experience.

**Project Link:** [myplay.games](http://myplay.games)

**Language:** JavaScript, C#

**Tools:** .NET, ReactJS, Ant Design

**Database:** SQL Server

## Online Exam System

📅 May 2023 – Current

**Project Overview:** This platform functions as an online examination system, providing users with the option to take both **multiple-choice and written exams**. Once a participant finishes an exam, they can view a results page that presents comprehensive question details, along with a **leaderboard** highlighting the top achievers. Users also have the opportunity to engage in practice exams and access real-time result updates.

**Project Link:** [t.ly/Pt6WM](http://t.ly/Pt6WM)

**Language:** TypeScript

**Tools:** NestJS, NextJS, Bootstrap

**Database:** PostgreSQL