





Humayun Ahmed Niloy

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🔗 <https://humayunahmedportfolio.netlify.app/>  [linkedin.com/in/humayun-ahmed-niloy](https://www.linkedin.com/in/humayun-ahmed-niloy)

 github.com/nhumayun2  <https://leetcode.com/u/hahmedaiub/>

PROFILE

Software Engineer specializing in Software Engineering, proficient in JavaScript, Java, C++, and C#. Experienced in web development, problem-solving, and continuous learning, seeking to apply technical expertise and contribute to innovative projects.

PROFESSIONAL EXPERIENCE

Junior Backend Developer

Betopia Group · Full-time

09/2025 – 02/2026
Dhaka, Bangladesh

- Developed and maintained scalable server-side applications using Node.js and Express.js, ensuring robust performance and reliability.
- Built and integrated RESTful APIs for seamless front-end and back-end communication.
- Managed MongoDB databases for efficient data handling and optimized query performance.

Frontend Developer - Intern

Streams Tech

10/2024 – 03/2025
Dhaka, Bangladesh

- Designed and developed user-friendly, responsive web interfaces using Angular, Tailwind CSS, and Angular Material UI, focusing on delivering solutions that meet specific user requirements and enhance user experience.
- Collaborated effectively with backend developers working on .NET Core to integrate APIs, ensuring seamless functionality and end-to-end solution delivery.
- Created and implemented scalable, reusable components for dynamic web applications, demonstrating an understanding of efficient and robust system architecture relevant to product offerings.

PROJECTS

Karigar Leather Works

<https://github.com/nhumayun2/LeatherInventorySystem>

A full-stack ERP system for leather factory management built with ASP.NET Core (.NET 10) and Angular. Implements JWT-based authentication, inventory and production tracking, client and order management, automated quotation generation with PDF export, and Cloudinary-based media handling. Designed with a scalable REST API architecture and optimized PostgreSQL database using Entity Framework Core for efficient data management.

Tech: C#, ASP.NET Core (.NET 10), Angular, PostgreSQL, Entity Framework Core, JWT, REST API, Cloudinary, Docker, Tailwind CSS

Tasko

<https://github.com/nhumayun2/tasko-backend.git>

Task manager built using the MERN stack (MongoDB, Express.js, React, Node.js). This web application allows users to create accounts, log in, add friends, and collaborate on tasks together.

Tech: MongoDB, Express.js, React, Node.js, HTML, CSS, JavaScript

Study Hall

<https://github.com/nhumayunz/Study-Hall-Project.git>

A backend-focused collaborative platform built with **Node.js**, **Express.js**, and **MongoDB**. The system features JWT authentication for secure user access and utilizes **Mongoose** to manage complex data relationships between students and study sessions. It provides a scalable REST API architecture designed for efficient resource management and high-performance data retrieval.

Tech: Node.js, Express.js, MongoDB, Mongoose, JWT, REST API

HireMe

<https://github.com/nhumayunz/HIREME.git>

A scalable job posting platform backend featuring role-based access control for Admins, Employees, and Job Seekers. Built with **TypeScript** and **Node.js**, it utilizes **JWT** for secure authentication and **Multer** for CV uploads. The system streamlines the entire application lifecycle, from job listing management to candidate submissions.

Tech: TypeScript, Node.js, Express.js, MongoDB, JWT, Multer, Zod

UE5 Cinematic Sequence: The Last Jedi Is Lost

A sci-fi cinematic short created in Unreal Engine 5, showcasing real-time rendering, cinematic sequencing, advanced lighting, and custom character work. Featuring striking visuals and custom character work, this piece showcases my skills in cinematic sequencing, advanced lighting, and real-time production.

Tech: Unreal Engine 5 (UE5), C++, Blueprints

SKILLS

Programming Languages

Proficient in JavaScript, Python, Java, C++, C# and Go (Golang)

Database Management

Relational Databases, SQL, MySQL, PostgreSQL

Concepts

Object-Oriented Programming (OOP), Software Development Lifecycle (SDLC), Software Architecture (familiarity with concepts), Design Patterns (basic understanding), REST API (experience with integration), Game Development Fundamentals, Real-Time Rendering.

Cloud Platforms

AWS (Basic exposure/interest in Redis)

Web Development

Front-end development using JavaScript, Angular, React; Familiar with HTML5, CSS; **Back-end development** with Node.js and Express.js (key components of the MERN stack), as well as PHP and ASP.NET Core (through collaborative work). Familiar with MongoDB for database solutions.

Software Development

Agile methodologies, Software testing and debugging, OOP, SDLC, Code Versioning (Git), Blueprints/Visual Scripting, C++ for Engine Modules.

ORM Frameworks

Entity Framework (Conceptual Understanding)

Game & Media Development

Unreal Engine 5 (Proficient), Cinematic Sequencing, Level Design, Lighting/Post-Processing, Material Creation, Real-Time Animation/Rendering.

EDUCATION

BSc in Computer Science & Engineering

American International University-Bangladesh (AIUB)

[Major in Software Engineering]

2020 – 2025

Dhaka, Bangladesh

HSC

Bangladesh Navy College - Dhaka

2017 – 2019

Dhaka, Bangladesh

SSC

Shaheed Police Smrity College

2017

Dhaka-Bangladesh

REFERENCES

Muhammad Khabor Uddin, *Development Manager*, Streams Tech Ltd

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S M Abdullah Shafi, *Lecturer, Computer Science*, American International University - Bangladesh (AIUB)

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