

MD ASIF CHOWDHURY

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PROFESSIONAL SUMMARY

Performance-driven Software Engineer with experience in building scalable, type-safe web applications. Experienced in backend development and modern frontends. Skilled at developing complex SaaS systems, as well as robust RESTful APIs.

WORK EXPERIENCE

V2 Technologies Ltd. | Mohakhali, Dhaka

Sep 2025 - Dec 2025

Backend Engineer Intern

- Designed scalable RESTful APIs using NestJS and TypeScript, securing endpoints with OAuth 2.0 and RBAC guards.
- Optimized PostgreSQL schema and query performance via TypeORM, significantly reducing response times for high-load endpoints.
- Collaborated in an Agile team to define strict API contracts, documenting endpoints in Postman and debugging integration issues.

PROJECTS

NXCertify - Decentralized Blockchain Certificate Platform | [GitHub](#)

Nov 2025 - Dec 2025

Tech Stack: Solidity, Quorum, NestJS, Next.js, Docker, PostgreSQL

- Built a tamper-proof credentialing system on a Private Ethereum Network (Quorum), effectively eliminating certificate fraud while maintaining sub-150ms verification times.
- Implemented passwordless authentication with Ethereum wallets using ECDSA signature verification to guarantee cryptographic proof of identity.
- Designed a Meta-Transaction layer to abstract gas fees, allowing non-technical admins to issue certificates seamlessly.
- Built an "Offline Activity Detector" to audit security breaches by cross-referencing session logs with immutable Blockchain events.

NXInventra - Collaborative Inventory Management Platform | [GitHub](#)

Aug 2025 - Sep 2025

Tech Stack: NestJS, Next.js, PostgreSQL, TypeORM, Zod

- Developed a cloud-native platform featuring Role-Based Access Control (RBAC) and a Dynamic Schema Builder, allowing users to define unlimited custom field types.
- Implemented a Custom ID Generator supporting 8+ segment formats (GUIDs, date stamps) and integrated Full-Text Search with GIN indexes for instant data retrieval.
- Built seamless integrations with Odoo ERP and Salesforce CRM for enterprise-grade data synchronization.

E-Commerce Platform | [GitHub](#)

Apr 2025 - Jun 2025

Tech Stack: NestJS, Next.js, PostgreSQL, Stripe, Zustand, Multer

- Built a multi-role (Admin/Customer) platform featuring real-time stock deduction and Stripe payment gateway integration.
- Implemented a global cart state using Zustand and secure session management via HTTP-only cookies and JWT.
- Optimized admin workflows with bulk image uploads (Multer) and dynamic product tagging for automated homepage placement.

Inventory & Sales Management System | [GitHub](#)

May 2025 - Jun 2025

Tech Stack: ASP.NET MVC, MSSQL, Entity Framework, AJAX

- Developed a retail operation dashboard using ASP.NET MVC and MSSQL with automated PDF invoicing via Rotativa.
- Implemented real-time stock tracking and AJAX-driven reporting modules for sales analytics.

SKILLS

Languages: TypeScript, JavaScript, Solidity, C#, C++, Java, SQL, PHP.

Backend: NestJS, Node.js, ASP.NET MVC, Express.js, REST APIs.

Frontend: Next.js (App Router), React.js, Tailwind CSS, Shadcn/ui, Zod.

Database & Tools: PostgreSQL, MySQL, MSSQL, TypeORM, Docker, Git, Postman, Hardhat.

EDUCATION

American International University-Bangladesh (AIUB) | Dhaka, Bangladesh

Jan 2022 - Jan 2026

Bachelor of Science in Computer Science & Engineering (Major in Software Engineering)

CGPA: 3.98

Awards and Honors: Dean's List (Fall 2022 - Spring 2025), Academic Scholarship (Fall 2022 - Spring 2025)