

MD. ABDUL HAI FAHIM

Full-Stack Software Developer

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Professional Summary

Results-driven Full-Stack Software Developer with strong expertise in building end-to-end, scalable web applications using Next.js, React, TypeScript, Node.js, Express.js, and PostgreSQL. Backed by a solid Computer Science foundation and competitive programming experience (ICPC Asia Dhaka Regionalist 2025). Adept at designing clean RESTful APIs, relational database schemas with Prisma ORM, implementing secure role-based access control (JWT), and optimizing frontend user interfaces.

Technical Skills

Languages	TypeScript, JavaScript (ES6+), C++, C, HTML5, CSS3
Frontend	React.js, Next.js (SSR/SSG), Tailwind CSS, Bootstrap, Responsive Web Design
Backend	Node.js, Express.js, RESTful API Architecture, JWT Authentication
Database & ORM	PostgreSQL, MySQL, Prisma ORM, Relational Schema Design, SQL Querying
CS Concepts	Data Structures & Algorithms (DSA), OOP, Database Optimization, Problem Solving
Tools & Deploy	Git, GitHub, Vercel, VS Code, Postman

Featured Projects

Full-Stack Interactive Programming Learning Platform Next.js, Express.js, TS, PostgreSQL, Prisma, JWT

- Engineered a full-stack interactive coding education platform featuring course enrollment, live browser problem-solving, and automated progress tracking.
- Architected secure, modular REST APIs using Node.js, Express.js, and TypeScript following clean code principles.
- Designed relational database schemas in PostgreSQL managed via Prisma ORM for seamless user and course data management.
- Implemented multi-role Authentication & Authorization (Admin, Course Editor, Student) using JWT.
- Developed a fast, responsive frontend UI leveraging Next.js App Router and Tailwind CSS.

Enterprise Security Services Portal

HTML5, CSS3, JavaScript, Responsive UI

- Developed a modern, high-performance web solution showcasing network, CCTV, and enterprise security services.
- Built custom interactive UI layouts with modern CSS flexbox/grid and cross-browser responsiveness.

Online E-Commerce & Sports Academy Platform

HTML5, CSS3, Bootstrap, JavaScript

- Built a responsive web portal featuring dynamic accordion layouts for service breakdown, contact workflows, and interactive elements.

Education

Patuakhali Science and Technology University

2023 – 2026

Bachelor of Science (B.Sc.) in Computer Science and Engineering

Relevant Coursework: Data Structures, Algorithms, Database Management Systems (DBMS), Software Engineering, OOP

Competitive Programming & Achievements

- ICPC Asia Dhaka Regionalist 2025** — Competed among top university teams in national-level algorithmic problem-solving challenges.
- Solved complex algorithmic problems across online competitive programming platforms using C++.
- Architected and deployed production-ready Full-Stack applications with clear frontend and backend decoupling.

Certifications & Professional Learning

- Programming Hero:** Complete Web Development & Full-Stack Engineering (Next.js, Prisma, Express.js).
- Competitive Problem Solving:** Advanced Data Structures, Graph Algorithms, and Optimization Techniques in C++.