Bibek Bhowmick

Full Stack Developer

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[GitHub](#)   [Portfolio](#)   [LinkedIn](#)

PROFESSIONAL SUMMARY

Frontend-focused Full Stack Developer with hands-on experience building scalable, responsive web applications using **React.js, Next.js, TypeScript, and Node.js. Skilled in UI/UX optimization, API integration, performance tuning, database and business logic management**. Adept at working with modern dev tools and agile methodologies.

TECHNICAL SKILLS

- ❖ **Frontend Development:** React.js (hooks, component-driven architecture), Next.js (SSR/SSG, dynamic routing, API routes), TypeScript (strict typing, reusable interfaces), Tailwind CSS (utility-first, pixel perfect responsive design), Shadcn & Material UI (component library customization).

- ❖ **Backend Development:** Express.js (REST API development, middleware, routing), API performance optimization & error handling and business logic implementation

- ❖ **Database Management:** MongoDB (with Mongoose for schema modeling), PostgreSQL (relational data modeling, queries).

- ❖ **API & State Management:** Redux (RTK, async thunks), Context API (lightweight global state), API integration (REST, third-party APIs), AI API integration (ChatGPT & ML-based APIs).

- ❖ **Security:** JWT Authentication (token-based auth), input sanitization & validation, encryption for sensitive data, secure session & cookie handling.

- ❖ **Tools & DevOps:** Docker (containerized environments for fullstack apps), Postman (API testing & automation), Git/GitHub (branching workflow, CI/CD), Netlify & Vercel (for deployments)

PROJECTS

1. **IEMS Study Management Platform** ([Live Site](#) | [GitHub(Client)](#) | [GitHub(Server)](#))
   Multi-role platform with Admin, Tutor, and Student panels to streamline study sessions.
   - Reduced API response time by using React Query for state management.
   - **Optimized** UI performance, resulting in a smoother user experience across multiple devices.
   - **Stack**: React.js, Tailwind CSS, Firebase, MongoDB, Node.js, Express.js

2. **Tech Tales Platform** ([Live Site](#) | [GitHub(Client)](#) | [GitHub(Server)](#))
   Content and blog management application with search, wish list, and responsive UI support.
   - Achieved mobile responsiveness using Tailwind CSS and Daisy UI

- **Developed** a robust architecture with **React.js** for efficient, reusable components.
- **Stack**: React.js, Tailwind CSS, Node.js, Express.js, Firebase

3. **Scheduling Processing Application** (**Live Site | GitHub(Client and Server)**)
   It is an event and schedule management based application.
   - Achieved optimization and scalability in website and **SEO** performance by using server side rendering
   - **Built** by simplifying routing, server management, optimized architecture using **Next.js**
   - **Stack**: Next.js, Express.js , MongoDB, Tailwind CSS

EDUCATION

B.Sc. in Computer Science & Engineering

Bangladesh Army University of Engineering & Technology **(2021-2025)**
CGPA: 3.30
- **Relevant Coursework:** Web Development, Data Structures Algorithms, Web Security
- **Project Stack:** Final year project in React Native (Expo)

EXPERIENCE

Intern in Website Security and Website Maintenance

Byte Capsule,Dhaka (2023-2024)
- **Relevant Task:** Web Development, Website Security, Maintenance and Performance Track

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CERTIFICATIONS

Programming Hero, Dhaka - *Junior Web Developer – (Training-Based Project Work)*
(June 2024 – April 2025)
- Completed **Complete Web Development** course
- **Optimized React and Next app performance** by minimized re-renders & improved responsiveness
- Participated in **Agile methodology** for project development and teamwork.

ACHIEVEMENTS & ACTIVITIES
- ICPC 2021 **Preliminary** Contestant
- Solved **250+ coding problems** on LeetCode, Codeforces, Hackerrank
- Volunteered in **university tech fests** and **coding competitions**, contributing to event organization and mentoring peers.
- Participated in **"Case Cracking Competition"** of BAUET Business Fest 2.0
- **Executive** Member at BAUET Computer Society
- **Promotional** Secretary at BAUET Computer Club

REFERENCES

Available upon request