

# MD TANZIM KHAN SHANTO

## FULL-STACK DEVELOPER

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### ABOUT ME

Full-stack developer experienced in building **modern web applications using Next.js, NestJS, PostgreSQL, and Prisma**. Skilled in scalable **architectures, real-time communication, and REST/GraphQL APIs**. Proficient with **TypeScript, React, Tailwind CSS, and WordPress** for content-driven sites. With a strong background in **competitive programming**, I focus on writing clean, efficient, and maintainable code across the stack. Seeking a full-time remote full-stack developer role to build high-performance, user-focused applications.

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### WORK EXPERIENCE

Arbree Limited - (External Team - PaiPixel)

Full-Stack Developer

2025 – Present

- **Developing a frontend-focused** Assessment Module for the EducateU platform using Next.js with strong type safety and maintainable architecture.
- **Building a custom form builder** with **Dnd Kit** for intuitive drag-and-drop functionality and dynamic content creation.
- **Implementing pixel-perfect Figma** designs into responsive, production-ready interfaces.
- **Collaborating with Arbree and PaiPixel teams** through regular meetings, ensuring clear communication and efficient delivery of features.
- **Tech Stack:** Next.js, TypeScript, Dnd Kit, Figma, NestJS, PostgreSQL

BzrLab

Full-Stack Developer

2025

- **Developed** scalable full-stack web applications using **PostgreSQL/CockroachDB**, designing and optimizing schemas and queries with **Prisma** and **Drizzle ORM**.
  - **Integrated** robust **REST** and **GraphQL** APIs with **React, Next.js**, and **Svelte** frontends.
  - **Engineered a feature-rich real-time chat system** using **NestJS** and **WebSockets**, including live messaging, typing indicators, and seamless frontend integration for a smooth user experience.
  - **Contributed** to UI development and maintained smooth **client-server data flow** using **Git/GitHub** for version control.
  - **Tech Stack:** Next.js, NestJS, React, Svelte, PostgreSQL, CockroachDB, Prisma, Drizzle ORM, WebSockets, Git/GitHub
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### SKILLS

- **Programming Languages:** Python, TypeScript, SQL, C++
- **Frameworks & Libraries:** Next.js, React.js, NestJS, Svelte, Tkinter
- **Backend Development:** REST APIs, Async Programming, GraphQL (basic)
- **Databases:** PostgreSQL, CockroachDB
- **Automation Tools:** Selenium, yt-dlp, ffmpeg
- **Tools & Platforms:** Git, GitHub, Docker, Neovim

## PROJECTS

### Resource Hub | [GitHub Live Link](#)

- Developed a web platform **used by thousands of students** to organize and share educational resources and PDFs.
- **Built a fully customized Admin Panel** with Firebase authentication and integrated **Uploadthing, Mailchimp + Resend, and reCAPTCHA v3**.
- Implemented automated book request workflows, orphaned file cleanup, and smooth **RESTful API** performance with **Zustand + Immer**.
- **Optimized SEO**, accessibility, and responsive UI/UX with ISR/SSG and **light/dark mode** support.
- **Tech Stack**: Next.js 15, TypeScript, Firebase, Tailwind CSS, Shadcn, Uploadthing

### NetMeter Lite – Python (Tkinter, psutil) | [GitHub](#)

- Built a lightweight **Windows utility software** to monitor network speed, CPU, and memory usage in real time.
  - Designed a **customizable, low-resource UI** for efficient performance tracking.
  - Adopted by **hundreds of users**, improving their ability to **monitor system performance** with minimal overhead.
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## ACHIEVEMENTS

- **Reached Codeforces “Expert” (Max Rating: 1714)** — Ranked among the top 8% globally using Python & C++. ([Codeforces Profile](#))
  - **Round 2 Contestant, Meta Hacker Cup 2023 (by Meta)** — Ranked 37th among all Bangladeshi contestants.
  - **Asia-Pacific Informatics Olympiad (APIO) 2023 Contestant** — Selected among the Top 16 programmers in Bangladesh to represent the country.
  - **National Finalist, Bangladesh Informatics Olympiad (BDIO) 2023** — Ranked Top 14 nationwide.
  - **Winner, Father Timm Memorial Programming Contest 3.0 (2023)** — Secured 10th place in a competitive regional programming contest.
  - **Problem Setter & Judge** — Contributed to national-level programming contests organized by a leading non-profit science organization.
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## EDUCATION

### Bachelor of Science in Computer Science and Engineering (CSE)

Eastern University — Dhaka, Bangladesh

**Expected Graduation:** 2029

### Higher Secondary School Certificate (HSC)

2022-2023

Major General Mahmudul Hasan Adarsha College

**GPA:** 4.67 / 5.0