

Tanvir Hasan Tamal

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SUMMARY

Full-stack developer with hands-on experience in modern web technologies, specializing in Next.js, NestJS, MongoDB, and PostgreSQL. I focus on building reliable, scalable applications and continuously improving through clean code, problem-solving, and learning.

WORK EXPERIENCE

Junior Full-Stack Developer - Techy's UK (Remote)

July 2025 - Present

- Developed and maintained full-stack features across multiple client platforms using Next.js, NestJS, Express.js, Prisma, and PostgreSQL.
- Built Mobile responsive UI components, integrated scalable APIs, and optimized key application workflows and performance.
- Implemented secure payment integrations (Stripe), resolved build issues, and fixed post-deployment problems on VPS environments.
- Improved client-site SEO and generated OpenGraph metadata for better social and search visibility.
- Collaborated with cross-functional teams and contributed to architectural decisions while writing clean, maintainable code.

Software Engineer Trainee - Deepchain Labs (Remote)

Oct 2024 - Feb 2025

- Worked on Kazentic, a multi-tenant SaaS remote office suite with CRM, HRM, Payroll, Billing, Team & Projects modules.
- Developed backend features for Calendar and Teams modules using NestJS, Mongoose & MongoDB.
- Built Frontend and integrated APIs for 10+ modules including Calendar, Forms, Organization Setting, Payroll & others.
- Implemented secure REST APIs, improved module performance and fixed high-priority production issues.

TECHNICAL SKILLS

Programming Language: TypeScript, JavaScript, C#, C++, Java, Python, SQL, PHP, LINQ.

Frontend: Next.js, React, Tailwind CSS, shadcn/ui, Hero UI, Bootstrap, Zustand.

Backend: NestJS, Express.js, Node.js, REST API, Swagger, TypeORM, Prisma, Mongoose.

Databases: PostgreSQL, MongoDB, MySQL, MSSQL.

Payment Integration: Stripe (Checkout, payments).

Tools & DevOps: Git, GitHub, Postman, CI/CD fundamentals, Vercel.

EDUCATION

AMERICAN INTERNATIONAL UNIVERSITY - BANGLADESH

Bachelor of Science in Computer Science and Engineering (3.63/4.00)

2021 - 2025

Major: Software Engineering

Thesis - Towards a Next Generation Blockchain: A Framework for Future Innovation and Enhanced Efficiency.

Relevant Courses: Advanced Programming In Web Technologies (NestJS, Next.js, Postgres), Advance Programming With .NET(.NET Framework, MSSQL, Entity Framework, SOLID, N-Tier), Software Requirement Engineering (SDLC)

UNIVERSITY PROJECTS

Solana-Based NFT Minting dApp (Solana Web3.js, Next.js, Phantom Wallet, Pinata) Solana-Based-NFT-Minting

- Built an NFT minting platform with decentralized metadata storage using Pinata (IPFS).
- Integrated Phantom Wallet for signing and transactions, enabled seamless Solana blockchain interactions.

Travel Planner (.NET, Next.js, MSSQL, Entity Framework, LINQ) Travel-Planner

- Designed and developed a full-stack travel planning system.
- Implemented clean architecture with Repository Pattern, SOLID principles, LINQ and Entity Framework.

Decentralized Chain Link (NestJS, Next.js, WebSockets, LevelDB) Decentralized Chain Link Explorer II peer-to-peer

- Built a Layer-1 blockchain network simulation using WebSockets.
- Implemented Proof of Stake consensus, Merkle Tree logic, and a real-time blockchain explorer UI.

ACHIEVEMENTS

1st Place - AIUB CS FEST 2024 (App Showcasing)

- Developed decentralized Layer-1 blockchain and DCLScan Explorer for real-time blockchain monitoring.

Runner-Up - Jarvis 4.0 App Showcasing (Senior Category)

- Built AR-based virtual try-on prototype to improve e-commerce experience.

CERTIFICATIONS & TRAINING

IT Essentials: PC Hardware & Software from CISCO Networking Academy.

REFERENCES

MD. AL-AMIN

Assistant Professor, Dept. of CS, AIUB & CEO, Deepchain Labs

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