

# Tanvir Hasan Tamal

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## SUMMARY

Full-stack software engineer with hands-on experience building scalable, multi-tenant SaaS platforms using Next.js, NestJS, MongoDB, and PostgreSQL. Proven track record delivering production-grade features across frontend and backend layers — from real-time systems and payment integrations to complex data workflows and module architecture.

## WORK EXPERIENCE

**Full-Stack Developer - EraVend GmbH & Co. KG — Königsbrunn, Germany (Remote)** **January 2026 - Present**

- Engineering and maintaining features for a multi-tenant Employee Management System (EMS) serving multiple companies from a unified platform.
- Architected and delivered core modules — Chat, Notifications, Email, Sales, and Finance — contributing across both Next.js frontend and NestJS backend layers.
- Engineered real-time communication features using WebSockets and automated email workflows, integrating sales and finance data flows across microservices.
- Optimized system stability through targeted UI enhancements and extensive bug resolution across critical modules, improving overall user experience.

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

**July 2025 - Dec 2025**

- Developed and maintained full-stack features across multiple client platforms using Next.js, NestJS, Express.js, Prisma, and PostgreSQL.
- Engineered mobile-responsive UI components, integrated scalable REST APIs, and optimized key application workflows for performance.
- Deployed secure Stripe payment integrations (Checkout, payments), resolved build issues, and remediated post-deployment problems on VPS environments.
- Enhanced client-site SEO and generated OpenGraph metadata, improving search and social visibility.

**Software Engineer Trainee - Deepchain Labs (Remote)**

**Oct 2024 - Feb 2025**

- Contributed to 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.
- Developed 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.

**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.

**Caching & Performance:** Redis, API Caching, Rate Limiting, Performance Optimization.

**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](#)

- Architected an NFT minting platform with decentralized metadata storage via Pinata (IPFS); integrated Phantom Wallet for transaction signing and seamless Solana blockchain interactions.

**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)**

- Delivered a decentralized Layer-1 blockchain with DCLScan Explorer for real-time monitoring.

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

- Developed an AR-based virtual try-on prototype to enhance e-commerce UX.