

Tanvir Ahmed

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Summary

Full-stack Software Engineer with experience in web and mobile development. Specialized in building web applications with Next.js and cross-platform mobile applications using React Native/Expo. Strong background in competitive programming and algorithm design. Experienced in DevOps practices including VPS deployment, Nginx configuration, and process management with PM2.

Education

Independent University, Bangladesh, BSC in Computer Science, Minor in Robotics and Intelligent Machines Sept 2022 – Present
(Expected Graduation: Aug 2026)

- GPA: 3.72/4.0 (9th semester)
- 2 times Dean's Award Recipient
- Represented university in: ICPC Asia Dhaka Regional 2024, NCPC 2024, IUT National ICT Fest 2024, SUST CSE Carnival 2024, UIU & Uttara University IUPC 2025

Experience

Software Engineer, UpStal Software – Mirpur DOHS 2024 – Present

- Built Leadstal Mail, an email campaign management platform using Next.js, Prisma ORM, PostgreSQL, OAuth (Google APIs), and cron-based scheduling
- Developed a ThomasNet web scraper as a Chrome extension using Vite and React for automated B2B lead extraction from industrial directories
- Designed and implemented backend systems using Django and Django REST Framework for Amazon seller tools (10xProfit.io)
- Built normalized relational data models with Django ORM, applying constraints, indexes, and foreign key relationships
- Developed DRF serializers with nested writes, multipart form-data parsing, file uploads, and transactional integrity
- Implemented slug-based uniqueness, atomic create/update workflows, and custom validation for high-volume supplier data ingestion
- Developed six cross-platform Amazon seller mobile apps (AmzSales, AmzRank, AmzRevenue, AmzSEO, AmzFees, AmzKeywords) using React Native, Expo, and TypeScript with Express.js backends
- Implemented in-app purchases, Google Play Store deployment via EAS Build, and real-time Amazon product data scraping using WebView integration
- Managed VPS infrastructure on Contabo, including PM2 process management, Nginx reverse proxy configuration, and SSH-based server administration
- Implemented end-to-end CI/CD pipelines with GitHub Actions for frontend and backend services, automating builds, tests, deployments, Django migrations, static checks, and zero-downtime VPS releases

Software Engineer Intern, CodeSurge (UpStal Subsidiary) 2024

- Built PopSurge - a social media growth platform using Next.js 15, Supabase, Stripe payment integration, Supabase, and TailwindCSS with Framer Motion animations
- Developed TestoTrack - a health tracking mobile app with React Native/Expo, Supabase backend, Google AdMob integration, and Gemini AI for personalized assessments
- Created Solana token launchpad application with Next.js, Prisma, Solana Web3.js, Phantom/Solflare wallet adapters, and Metaplex for NFT metadata management

Achievements

- **Intra IUB Programming Contest** – 2nd Place (Spring 2024), 3rd Place (Summer 2024), 4th Place (Autumn 2024)
- **Founding Member & Vice Chairperson** of IUB Programming Club
- **AI Innovation Talent Hunt ML Hackathon 2nd Place** – Built a movie recommendation system using collaborative filtering with TruncatedSVD, combining IMDb and MovieLens datasets
- **IUB TechFest OOP Project Showcase 2nd Place** – Textile Factory Management System built with Java, JavaFX for UI, and file-based persistence

Projects

Velopage – AI-Powered E-commerce Platform

- Built a dropshipping platform with Next.js 14, Prisma, PostgreSQL, featuring AI product description generation using OpenAI and Google Gemini APIs
- Developed Chrome extensions (Alibaba, AliExpress, Taobao, 1688 to Shopify) using Vite, React, and TypeScript for one-click product import
- Integrated Stripe payment processing, Cloudinary image hosting, JWT authentication, and Shopify API for store management
- Tools: Next.js, React, TypeScript, Prisma, PostgreSQL, OpenAI API, Stripe, Cloudinary, Zustand

MJ Properties – Dubai Based Real Estate Platform

- Built comprehensive property listing platform with Next.js 15, Supabase, TipTap rich text editor, and Cloudinary for media management
- Implemented admin dashboard with property CRUD, image galleries, React Hook Form validation, and Framer Motion animations
- Tools: Next.js, React, TypeScript, Supabase, TailwindCSS, Cloudinary, Framer Motion

IUBPC – Programming Club Website

- Developed official club website with Next.js 16, NextAuth authentication, Prisma ORM, and PostgreSQL
- Implemented contest management system with drag-and-drop functionality (dnd-kit), email notifications via Nodemailer, and Google Sheets integration
- Tools: Next.js, React, TypeScript, Prisma, PostgreSQL, NextAuth, TailwindCSS

Skills

Languages: JavaScript, TypeScript, Python, Java, C/C++ , SQL

Frontend: React, Next.js, TailwindCSS, Framer Motion, Three.js, React Three Fiber, Vite

Mobile: React Native, Expo, EAS Build, React Native IAP, Google AdMob

Backend & Database: Django, Django REST Framework, Node.js, Express.js, Prisma ORM, PostgreSQL, Supabase, Firebase

APIs & Integrations: Stripe, Cloudinary, OpenAI API, Google Gemini AI, Solana Web3.js, Shopify API, REST API

DevOps & Tools: Git, GitHub Actions (CI/CD), Docker, Nginx, PM2, VPS (Contabo), SSH, Chrome Extensions (Manifest V3)

AI Tools: ChatGPT, GitHub Copilot, Claude Code, Antigravity