

# Mir Tanim Ahmed

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## Summary

- **Software Engineer** with 2+ years of professional experience building **production-grade software systems** across backend, full-stack, and mobile platforms.
- Strong foundation in **data structures, algorithms, and relational database design**, with hands-on expertise in **C/C++**, **Python**, **C#**, **TypeScript**, and **SQL databases** (PostgreSQL, SQL Server).

## Skills

- **Languages:** C, C++, Python, C#, TypeScript, JavaScript, Java
- **Data Structures & Algorithms:** Arrays, Trees, Graphs, Hashing, Sorting, Dynamic Programming, BFS/DFS
- **Databases:** PostgreSQL, SQL Server, MongoDB, Redis, Prisma ORM, Entity Framework Core
- **Backend:** Node.js, Express, ASP.NET Core, FastAPI, Socket.IO, REST API Design
- **Frontend & Mobile:** Flutter (Riverpod), React.js, Next.js, Redux, Tailwind
- **Tools & DevOps:** Git, Docker, AWS (EC2, S3), CI/CD (GitHub Actions), Linux

## Experience

### Flexloop — Full-Stack Developer

Nov 2025 – Present

Remote — Bangladesh

- Developing full-stack applications using **ASP.NET Core (C#)** and **Next.js**, with **SQL Server** for relational data modelling, **AWS S3** for media storage, and **SignalR** for real-time WebSocket interactions.
- Reduced video load times by **80%** by engineering a server-side **FFmpeg transcoding pipeline** generating multi-resolution **HLS streams** with adaptive bitrate quality.

### RentYard Inc. — Backend Developer

Mar 2025 – Oct 2025

Remote — United States

- Designed the **multi-tenant RESTful API** (Node.js/Express/TypeScript) with 50+ endpoints, **JWT auth**, and **RBAC**. Built a **hybrid search engine** (Weaviate vector search, LLM intent extraction, fuzzy matching) achieving **90%+ accuracy**.
- Delivered automated **Stripe billing workflows**, an **async task queue** (BullMQ + Redis) reducing response times by **5x**, and a real-time **chat system** (Socket.IO).
- Deployed with **Docker**, **CI/CD**, and **AWS**. Recognised as “**Best Employee of the Month**” (Jul 2025).

### Sparktech Agency — Backend & DevOps Developer

Jun 2024 – Mar 2025

Dhaka, Bangladesh

- Built backends (Node.js, **ASP.NET Core/C#**) powering **6+ client platforms** with **100k+ daily API requests**. Designed schemas in **PostgreSQL** and **MongoDB**, cutting query times by **50%**.
- Integrated **Stripe Connect** for split payments, **real-time messaging** (Socket.IO/SignalR), and **push notifications** (Firebase).
- Led **DevOps setup** (Docker, CI/CD, AWS/DigitalOcean), reducing deployment cycles from hours to minutes.

## Education

### Ahsanullah University of Science and Technology

2019 – 2023

Bachelor of Science in Computer Science and Engineering

## Key Projects

### RentYard — Backend

RentYard Inc.

Node.js, Express, TypeScript, MongoDB, Redis, Stripe, AWS

- Full-cycle rental workflow: lease applications, tour scheduling, resident onboarding, maintenance tracking, and automated rent invoicing across apartments, condos, dormitories, and single-family homes.

### PetSocial — Website, Backend, Dashboard

Flexloop

ASP.NET Core (C#), Next.js, SQL Server, AWS S3

- Social platform with Instagram-style feeds, short-form reels, ephemeral stories, nested comments, multi-pet profiles with breed management, business marketplace, and multi-entity search across users, pets, and content.

### **DeshiLeague — Backend, App**

*React Native, Node.js, Express, PostgreSQL (Prisma), AWS*

- Multi-platform system with real-time cricket scoring engine (ball-by-ball via WebSockets), multi-role access control, tournament lifecycle management, and leaderboard aggregation.

### **Influencer Cave — Backend**

**RentYard Inc.**

*Node.js, Express, TypeScript, MongoDB, Stripe, Socket.IO, AWS*

- Marketplace with multi-status order lifecycle, Stripe payments with dynamic fee/tax calculation, cron-based auto-delivery, real-time chat, and subscription management.

### **Islami Jindegi — App (Flutter)**

**Personal Project**

*Flutter, Riverpod*

- Offline-first app (SQLite, background sync) with location-based prayer times, Qiblah compass, Quran reader, and Islamic content delivery. Available on [Google Play](#) and [App Store](#)