TANVIR HASAN RAFI

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Skills

- Node | Go | TypeScript
- SQL | MongoDB | Redis | OOP | Git | Game Development
- Azure | RabbitMQ | Docker | Grafana | prometheus | Linux | Unit Testing | CI
- Microservices | Distributed Systems | Cloud Computing | Backend | Problem Solving

Experience

Software Engineer	**Brain Station 23**	*Dhaka, Bangladesh*	**06/2023 - Current**

- **Backend Development**: Developed and maintained scalable backend systems using Node.js, focusing on real-time processing and asynchronous tasks.
- **Database Optimization**: Enhanced SQL query performance for Azure SQL and SQL Server, improving efficiency by 35%.
- **Azure Cloud Services**: Hands-on experience with Azure Functions, Blob Storage, Service Bus, IoT Event Hub, Key Vault.
- **Key Achievements**:

  - Improved query response times by 35%, significantly enhancing system performance.
  - Successfully delivered a high-profile cloud-based solution recognized for its business impact and operational efficiency.

Software Engineer, Intern	**Brain Station 23**	*Dhaka, Bangladesh*	**03/2023 - 06/2023**

- **School Management System**: Developed backend APIs for managing students, teachers, and classes (Node.js, Express, MongoDB, JWT Authentication).

Education

Bachelor of Science	**UITS University**	*Dhaka, Bangladesh*	**08/2019 - 12/2024**

- Major in Computer Science Engineering.

Projects

- **Tennant:**

Built and optimized backend for a high-traffic tenant management platform supporting real-time data processing.
Technologies Used: Node.js, Azure SQL, SQL Server, Azure Functions, Blob Storage, Service Bus Queues, IoT Event Hub, API Management, Key Vault, Logic Apps, Monitor & Application Insights.
- **DarkLife:** Creator of a 2D mobile game (Unity 2D, C#, Android, iOS). **(07/2020)**
- **URL Shortener Web App**(Node.js, Express, PostgreSQL, Hashing Algorithms): Took an active role in the implementation of a distributed TinyURL service, overseeing unique short URL generation, efficient mapping retrieval, and user account-based access. Ensured robust system reliability and data integrity through proficient distributed system design.

Mentorship

- **Coding Bootcamp Mentor – UITS University:** Provided mentorship and career advice to software engineering students, teaching programming fundamentals, data structures, and algorithms (January 2021 – April 2022).

Achievements

- **1st Place:** Ahmed Zubayer Intra-University Programming Contest, UITS **(07/2020)**
- **2nd Place:** Intra Virtual Fest Programming Contest **(03/2020)**
- **2nd Place:** Code_Jhaj UITS Intra-University Programming Contest. **(03/2020)**
- Solved 2000+ programming problems across platforms such as Codeforces, LeetCode, AtCoder, and more.