

TAHSIN AHMED MAJUMDER

☎ +8801771706933 | ✉ tahsinbd.ahmed1@gmail.com | 💻 tahsin-ahmed | 🌐 mohsinian | 🌐 tahsin.dev | Dhaka, Bangladesh

Technical Skills

Languages: JS, C++, Golang, Python, Ruby, ColdFusion, SQL

Technologies/Frameworks: ExpressJS, Node.js, PostgreSQL, MySQL, MariaDB, MongoDB, ReactJS, Rails, ColdBox

Developer Tools: Git, GitHub, Bitbucket, Jira, Docker, Bash, Postman, VS Code, Claude Code

Professional Experience

WellDev | Node.js

July 2025 - Present

Software Engineer L2

- Developed an Interface Service to ingest and process **GIS-based Light Signal Adapter** data streamed via MQTT for the **DVB (Dresdner Verkehrsbetriebe AG)**, applied ETL transformations with a custom queuing and batch ingestion mechanism, and delivered the processed data to the driver's mobile application **Innotix öV-Pad**
- Developed a service integrating with the **DiLoc** interface to ingest train location and timetable data, process it via an ETL pipeline, and deliver it to the driver's mobile application **Innotix öV-Pad**
- Developed backend services for the **Innotix Hirsch** driver platform used by **AAGL**, supporting duty management, extra work reporting, automated payment calculations, leave management, and real-time notifications
- Contributed to a **genetic algorithm-based** scheduling system within **Innotix Hirsch** that autonomously generates and assigns optimal driver duty schedules, improving operational efficiency and resource utilization for **AAGL**

WellDev | Node.js, ColdFusion

March 2024 - June 2025

Junior Software Engineer L1

- Engineered and maintained backend infrastructure for InnoTix's Electronic Driver Bag platform, supporting a complex 500K LOC multi-tenant codebase that serves 42+ European public transportation clients across bus, train, and tram sectors.
- Resolved 20+ high-priority SLA-bound bugs through proactive cross-team collaboration, while actively developing shell scripts, documentation, and IDE code snippets to automate development activities and save time for the entire team.
- Migrated password algorithm from md5 hash to Bcrypt hash to improve security.
- Mentored trainees within the development team, guided them through project, helping them with debugging techniques.
- Participated in interview panels for new trainee selections, contributing to the hiring process by evaluating candidates.
- Orchestrated knowledge transfer sessions and developed comprehensive documentation to facilitate smooth onboarding and legacy system knowledge preservation, improving team productivity and reducing transition periods.

Brain Station 23 | .NET, EF Core

July 2022 - October 2022

Trainee Software Engineer

- Explored the nopCommerce codebase to understand template and plugin development processes
- Assisted in the development of templates and plugins for nopCommerce, worked with .NET core and Entity framework

Projects

Integration Gateway | Go, PostgreSQL

GitHub

- Designed layered microservice architecture with REST API, batch worker pool, and health checks, implementing resilience patterns including circuit breakers, token bucket rate limiting, and exponential backoff retry
- Built multi-source data orchestrator for concurrent JSON/XML API calls with idempotency via DB constraints, and containerized the application with Docker Compose using fault-injection mock services for chaos testing

Interface Service | Node.js, MariaDB

Innotix's Internal Project

- Led the end-to-end development of an Interface Service ingesting and processing real-time transit data.
- Engineered a high-performance ETL pipeline utilizing a custom message queue and batch ingestion mechanism for MQTT streamed GIS data.
- Developed robust data adapters integrating multiple third-party interfaces (e.g., DiLoc, IVU) for train locations and timetables.
- Resolved critical performance bottlenecks, improving data processing throughput by **300%**.

Education

Chittagong University of Engineering & Technology

2018 - 2023

Bachelor of Science in Computer Science and Engineering

Grade: 3.05/4.00

Problem Solving

Competitive Programming

Solved 600+ problems on various online judges like Codeforces, LeetCode, HackerRank

Codeforces | LeetCode