

NAZMUL HOSEN

Software Engineer

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PROFESSIONAL SUMMARY

Backend-focused Software Engineer with 4+ years of experience building scalable travel and ERP systems. Skilled in Node.js, system design, and microservices architecture, with hands-on experience integrating GDS APIs (Sabre, Galileo, Travelport). Proven track record of leading teams, optimizing performance, and delivering high-availability systems for thousands of users.

WORK EXPERIENCE

Lead Software Engineer

Tech Element IT | Apr 2026 - Present

- Lead full-stack development using Node.js, Express, React, and TypeScript
- Design scalable system architectures and optimize application performance
- Implement and manage CI/CD pipelines, AWS deployments, and cloud infrastructure
- Collaborate with stakeholders to define and deliver scalable solutions
- Mentor developers and enforce coding standards and best practices

Software Engineer

Naria IT Solutions | Mar 2025 - Mar 2026

- Led system architecture for OTA platform serving 10K+ users with high availability
- Managed frontend and backend teams to deliver projects on time with high quality
- Integrated travel APIs (Sabre, Galileo, Travelport) for real-time booking systems
- Improved performance and implemented CI/CD pipelines for faster deployments
- Translated business requirements into scalable technical solutions

Backend Developer

M360 ICT | Aug 2022 - Feb 2025

- Developed scalable RESTful APIs for B2B and B2C platforms using Node.js and MySQL
 - Designed modular backend systems following object-oriented programming (OOP) principles
 - Built flight, hotel, and booking systems to automate business operations
 - Collaborated with frontend teams to deliver reliable, high-performance APIs
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KEY PROJECTS

Flyghor - OTA Flight Booking Platform

- Built a real-time booking system integrating Sabre, Galileo, and Travelport APIs
- Implemented fare revalidation, ticketing, and cancellation workflows
- Designed a scalable backend architecture using caching and queue-based processing

Trabill – Travel Agency Back-Office System

- Developed a full travel ERP with accounting, invoicing, and reporting modules
 - Implemented a double-entry accounting and financial tracking system
 - Designed a multi-branch architecture with RBAC and real-time dashboards
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SKILLS

- **Programming Languages:** JavaScript (ES6+), TypeScript, Python, SQL, C/C++
 - **Backend Technologies:** Node.js (Express.js, NestJS), Python (Flask)
 - **Databases & Caching:** PostgreSQL, MySQL, Redis
 - **DevOps & Cloud:** Docker, CI/CD Pipelines, AWS, Azure, Nginx
 - **Frontend Technologies:** React.js, Next.js, Tailwind CSS
 - **Software Architecture & Concepts:** System Design, Microservices Architecture, RESTful APIs, Object-Oriented Programming (OOP)
 - **Third-Party Integrations:** Sabre, Galileo, Travelport (GDS APIs), Stripe, SSLCommerz
 - **Security & Authentication:** JWT (JSON Web Tokens), Role-Based Access Control (RBAC)
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EDUCATION

Bachelor of Science (B.Sc.) in Computer Science and Engineering

United International University

Major: Software Engineering

CGPA: 3.52 / 4.00

CERTIFICATIONS & PROFESSIONAL COURSES

- *System Design Masterclass – Udemy (2025)*
 - *TypeScript Design Patterns & SOLID Principles – Udemy (2025)*
 - *Mastering Node.js – Udemy*
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ACHIEVEMENTS

- Best Problem Solver – M360 ICT (2024)
 - *Recognized for solving complex technical challenges and optimizing system performance*
 - Best ICT Award – Trabill Project
 - *Awarded for contribution to a high-impact travel/booking system*
 - Employee of the Year – M360 ICT
 - *Recognized for outstanding performance and team contribution*
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ADDITIONAL

- Practicing Data Structures & Algorithms (Competitive Programming)
- Strong leadership and stakeholder communication skills
- Strong understanding of system design principles and scalable backend architecture