

NAZMUL HOSEN

Senior Backend Engineer

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Summary

Senior Backend Engineer with 4+ years of experience building high-scale SaaS platforms, travel technology, and enterprise applications using Node.js, TypeScript, PostgreSQL, React, and AWS. Experienced in designing microservices, leading engineering teams, integrating Sabre and Travelport APIs, and delivering production systems serving thousands of users.

Work

Lead Software Engineer

Apr 2026 – Present

TECH ELEMENT IT

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

- Lead full-stack development using Node.js, Express, React, and TypeScript
- Design scalable system architectures and optimize application performance

Software Engineer

Mar 2025 – Mar 2026

NARIA IT SOLUTION

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

Backend Developer

Aug 2022 – Feb 2025

M360 ICT

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

Project

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

- 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

Education

UNITED INTERNATIONAL UNIVERSITY

Software EngineeringBachelor of Science (B.Sc.)

GPA: 3.52 / 4.00

Minors: Computer Science and Engineering

Awards

Best Problem Solver M360 ICT	2025
Recognized for solving complex technical challenges and optimizing system performance	
Best ICT Award Trabill Project	2025
Awarded for contribution to a high-impact travel/booking system	
Employee of the Year M360 ICT	2024
Recognized for outstanding performance and team contribution	

Skills

LANGUAGES

TypeScript, JavaScript, SQL, Python

FRONTEND

React.js, Next.js, Redux, Tailwind CSS, RTK Query

CLOUD

AWS, Docker, GitHub Actions, Nginx

BACKEND

Node.js, Express.js, NestJS, REST APIs, Microservices

DATABASE

PostgreSQL, MySQL, MongoDB, Redis
