



Nipun Paul

Nationality: Bangladeshi **Date of birth:** 13/11/1999

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Home: Mirpur 9, Dhaka (Bangladesh)

ABOUT ME

Proactive Software Engineer with **3+ years of experience building scalable digital systems** using modern full-stack platforms. Demonstrated **leadership in product delivery, software architecture**, workflow automation, and cross-functional collaboration, consistently improving system efficiency and user impact. Highly motivated to pursue higher studies to contribute to **sustainable**, inclusive, and **socially responsible** digital development in Bangladesh.

WORK EXPERIENCE

Enosis Solutions – Dhaka, Bangladesh

Website: <https://www.enosisbd.com/> | Business or sector: Information and communication

Senior Software Engineer – Level II

[01/02/2026 – Current]

Senior Software Engineer – Level I

[01/02/2025 – 31/01/2026]

- Developed a full-scale **Project Management System (PMS)** using **PostgreSQL, NestJS, ReactJS, NodeJS**.
- Built **modular APIs**, scalable DB schemas, and reusable UI components to support rapid feature expansion.
- Implemented **secure authentication (JWT), RBAC**, task workflows, real-time updates, notifications, and audit logging.
- Improved platform reliability by enforcing **CI-ready architecture**, strict validation, and robust error-handling patterns.
- Increased performance through **lazy loading, caching, and optimized pagination**, reducing load time significantly.
- Built **webhook integrations** with rate-limit handling to ensure stability under high-volume external requests.
- Ensured maintainability through **code reviews, unit testing**, and strong **TypeScript** type-safety practices.

Software Engineer – Level II

[01/02/2024 – 31/01/2025]

- Developed a **Payment Approval System (PAS)** end-to-end using the PERN stack.
- Built reusable UI components and a **multi-level approval workflow** for structured payment processing.
- Implemented **RBAC**, in-app notifications, and **Slack API integrations** to streamline approval cycles.
- Improved financial workflow reliability by handling **concurrency cases**, report generation, and optimized backend queries.

Software Engineer – Level I

[15/02/2023 – 31/01/2024]

- Enhanced and expanded an enterprise **Desk Reservation System (DRS)** built on the PERN stack.
- Developed **dashboards and analytics** for workspace utilization, reservation patterns, and user activity.
- Built **SVG-based floor maps**, recurring reservations, timezone-aware scheduling, and attendance features.
- Integrated **Slack notifications, Google Analytics**, and webhooks for real-time updates and external sync.

- Improved UX and performance through **reusable Material-UI components** and optimized backend queries.
- Ensured accurate multi-floor, multi-location reservations with strong conflict resolution and time-conversion logic.

EDUCATION AND TRAINING

BSC IN COMPUTER SCIENCE AND ENGINEERING (CSE)

Ahsanullah University Of Science and Technology [04/2018 – 01/2023]

City: Dhaka | Country: Bangladesh | Website: <https://www.aust.edu/> | Field(s) of study: CSE | Final grade: CGPA 3.381 / 4.00 (Last 5 semesters: 3.656) | Thesis: Decentralized Election System (Blockchain and Crypto Based Vote Transaction)

HIGHER SECONDARY SCHOOL CERTIFICATE (HSC)

Rajuk Uttara Model College [2015 – 2017]

City: Dhaka | Country: Bangladesh | Website: <https://rajukcollege.edu.bd/> | Field(s) of study: Science | Final grade: GPA 5.00 / 5.00

SECONDARY SCHOOL CERTIFICATE (SSC)

Anjuman Adarsha Govt. High School [2010 – 2015]

City: Netrokona | Country: Bangladesh | Field(s) of study: Science | Final grade: GPA 5.00 / 5.00

SKILLS

Technical

JavaScript / TypeScript / ReactJS / NodeJS / NestJS / ExpressJS / C++ / C# / Python (computer programming)

Databases

PostgreSQL / MySQL / SQL Server

DevOps & Tools

Docker / Atlassian tools (Jira, Confluence, Bitbucket) / SourceTree / PgAdmin4 / Visual Studio Code / Remix IDE

Development Focus

Scalable system design / Workflow automation / Data-driven systems

PROJECTS

MotherCare - Emergency Maternity Health Shop Built an online platform to support access to **maternity essentials** during the pandemic. Includes product management, ratings, category filters, PayPal integration, and admin dashboards. Developed using **HTML, CSS/SCSS/LESS, JavaScript, C#, SQL, Bootstrap, jQuery, AJAX** on **ASP. Net MVC** framework.

Link: <https://github.com/Nipun4338/mothercare>

Project Boi - Book Selling Platform Developed a feature-rich book-exchange platform with authentication, multi-level comments, wishlist, chat, image uploads, and complete admin control. Built with **HTML, CSS/SCSS/LESS, JavaScript, PHP, SQL, Bootstrap, jQuery, AJAX**. Hosted on **GitHub & Heroku** with **Cleardb Ignite** database.

Link: <https://github.com/Nipun4338/boi>

Neer - Digital House Rent Advertisement App Built an Android-based rental listing app with live chat, profile management, and search filters. Built for **Android API 19-30** with **Firebase** backend.

Link: <https://github.com/Nipun4338/Neer>

ZEN - Smart Home with Voice Assistance Created a sensor-based automation system supporting voice commands, security alerts, fire and gas detection, and automated temperature-based adjustments. Built using **Arduino Mega**, **sensors (PIR, LM35, MQ-04, water level)**, **LCD, keypad, buzzer, relay modules**, and **Bluetooth HC-05**.

Link: <https://github.com/Nipun4338/ZEN---Smart-Home-with-Voice-Assistance>

PUBLICATIONS

[2023]

Bengali-English Neural Machine Translation Using Deep Learning Techniques

Journal Name: International Conference on Electrical, Computer and Communication Engineering (ECCE)

First author

LANGUAGE SKILLS

Mother tongue(s): Bengali

Other language(s):

English

LISTENING C1 READING C1 WRITING B2

SPOKEN PRODUCTION B2 SPOKEN INTERACTION B2

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

ACHIEVEMENTS / AWARDS

CODEWARE 2019 - 8th Place (Team: INT_CONST_2_1)

ICPC Preliminary 2019 - 371st Place (Team: AUST_Sacred Coders)

Link: <https://icpc.global/ICPCID/581CCRPWUTUZ>

Government Scholarship 2015 (Talentpool)

Issued by Secondary School Certificate Examination.

Government Scholarship 2013 (General)

Issued by Junior School Certificate Examination.

6th Language Competition 2010 – 13th Place (Divisional Phase, qualified for National Division)

Issued by HSBC, Prothom Alo.

Solved 1000+ programming problems in online judges

Link: <https://clist.by/coder/NX4338/>

VOLUNTEERING

[2019 – 05/2022]

AUST Innovation and Design Club

Progressed from **Member** (2019) → **Sub - Executive Committee** (2021)

Notable responsibilities:

- Oversaw departmental activities, leading a team to digitize club event management and registration workflows.
- Developed automation tools that reduced administrative workload and improved data accuracy.
- Supported programming events, training, and community-oriented technical activities.

Link: <https://austidc.org/spring-21/>

[Current]

Lifetime Member – Bangladesh Red Crescent Society

Supported humanitarian activities, emergency response, and community programs.

[01/2019 – 01/2021]

AUST ACM ICPC Lab

Engaged in competitive programming training, and problem-solving sessions.

RECOMMENDATIONS

Name: Md. Tanvir Ahmed | Software Development Lead, Enosis Solutions

Professional supervisor during my industry work at Enosis Solutions.

Email: tanvirahmed14@gmail.com | Phone number: (+880) 1343039289

Link: <https://bd.linkedin.com/in/md-tanvir-ahmed-a23a0a8b>

Name: Md Tanvir Rouf Shawon | Lecturer (Grade-I), Ahsanullah University of Science and Technology (AUST)
PhD Student, George Mason University

Academic supervisor during my research and academic activities.

Email: shawontanvir95@gmail.com

Link: https://aust.edu/cse/faculty_member/mr_md_tanvir_rouf_shawon