

Mahmud Hasan Sourov

mahmud.sv9@gmail.com | +8801622972607

[github](#) | [linkedin](#) | [leetcode](#) | [hackerrank](#)

EDUCATION

Bachelor of Science - Computer Science and Engineering

United International University

Graduated - June 2023

United City, Madani Ave, Dhaka 1212

SKILLS

Programming Languages	Python JavaScript Typescript C++ SQL
Libraries & Frameworks	React Redux Next.js Node Express Mongoose
Databases	MySQL MongoDB
Version Control & Tools	Git & Github Docker Jira Figma

EXPERIENCE

Hidayah Smart Solutions

October 2023 - May 2024

Assistant Software Engineer

Pragati Sharani Road, Kuril, Dhaka 1229

- Contributed to the development of a logistics and operations management system comprising three separate websites: Amvines Admin Panel, Warehouse Management, and Merchant Management that facilitates managing loans, accounts, package tracking, and comprehensive reporting that improves real-time tracking and optimizes processes performing a multitude of logistics and warehousing operations.
- Built NurseLink, a system for setting up and managing nursing stations in hospitals, allowing for efficient task distribution among various wards and cabins.

Contract Developer

June 2024 - Present

- Served as a Frontend developer, collaborating with different teams to deliver scalable web applications for several clients, utilizing different modern front-end technologies.
- Managed multiple projects simultaneously, ranging from an e-commerce platform to custom software solutions like creative service booking platforms with subscription models, maintaining high-quality standards and client satisfaction.

NOTABLE PROJECTS

Disaster Management

- Built a real-time crisis response system using Express, MySQL, and React enabling volunteers to view and respond to crises. Applied MVC architecture for scalability and separation of concerns.
- The platform also features an admin management system that streamlines operational workflows through crisis creation, donation management, and administrative control over task allocation to volunteers and status tracking.
- Significantly reduced API call frequency while ensuring latest data by utilizing RTK Query for optimized data handling, caching, and automatic refetching.

HRTetris

- Developed an HR management solution that organized admin processes, employee management with shift and scheduling, payroll, ticketing, and resource allocation, resulting in increased operational efficiency and lower administrative overhead.
- Implemented the system's frontend using React with TS, used Redux toolkit for state management, and managed API integration with caching and error handling using RTK query. Handled authentication using context API and secured tokens with cookies. Emphasized performance optimization through code splitting and lazy loading.

Scents Orbit

- Developed a scalable e-commerce platform, supporting multiple user roles (admin, seller, customer).
- Key features include KYC verification for vendors and customers, editable RFQs, product listings, and order management, with administrative oversight for approvals and category controls.
- Designed the system's frontend using material UI, React with redux for state management and managed API integration using Axios.

Glue

- Created a creative service booking platform using React, React query, Mantine UI offering video ad creation, editing, and content shooting services. Circle's subscription-based access control was also utilized for services.
- Integrated Google Calendar for efficient event scheduling, Circle.so for client community, and community features, and Typeform for collecting response before client's reserving a service.
- Incorporated custom SSO between circle.so and the application for seamless sign-in to the Circle community.