MD. SUMAN SARKAR

Full Stack Software Engineer

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SOCIAL

LinkedIn GitHub Portfolio LeetCode

SUMMARY

Full Stack Software Engineer with 5 years of experience designing and building end-to-end web applications. Strong on the frontend with React.js and Next.js, and equally capable on the backend with NestJS, Express.js, and PostgreSQL. Skilled in RESTful API design and integration, responsive UI development, and enterprise ERP systems. Strong focus on clean code, scalability, and performance.

SKILLS

JavaScript | TypeScript | React.js | Next.js | Redux | Node.js | Nest.js | Express.js | TailwindCSS | REST APIs | GraphQL | Git | Docker | CI/CD | Prisma | PostgreSQL | MySQL | MongoDB

WORK EXPERIENCE

MononSoft Ltd (A Sister Concern of JMI Group) Dec 2021 – Present

Software Engineer

- Developed ERP modules (SD, PP, MM, FICO, HRM) with React.js on the frontend.
- Built scalable full stack features with React.js, integrated and developed REST APIs using Node.js/Nest.js.
- Improved application performance and implemented end-to-end business workflows.

PROJECTS

E-learning Platform (Cybernetics IT Ltd)

E-learning platform with course management, video streaming, quizzes, user authentication, role based feature management.

Live Link

React.js | Next.js | TypeScript | Node.js | Nest.js | Prisma | PostgreSQL

Discount Shop (Pagoole)

E-commerce app with authentication, manage multiple vendor, product management, order management and payment integration.

Live Link

React.js | Next.js | Node.js | Prisma | PostgreSQL

Inventory Management System

Designed and developed a full stack inventory and warehouse management system. Built a product catalog with stock tracking, purchase and sales order workflows, and supplier management. Implemented role-based admin dashboards with low-stock alerts and real-time inventory updates. Developed secure REST APIs and integrated PostgreSQL persistence via Prisma.

Live Link Credentials: Username: suman | Password: 12345678

React.js | Next.js | TypeScript | Node.js | Nest.js | Prisma | PostgreSQL

TRAINING

Web Development with React, Next.js & Prisma

Ostad Ltd, Dhaka

- Built scalable React apps.
- Implemented SSR, CSR, and caching with Next.js.
- Developed REST APIs.
- Optimized frontend performance.
- Payment gateway integration with SSL Commerz and AamarPay and bKash.

EDUCATION

Islamic University 2018

M.Sc in Computer Science & Engineering (2.76)

Islamic University 2017

B.Sc in Computer Science & Engineering (3.04)

ADDITIONAL SKILLS

- Develop, maintain, and optimize reusable frontend components using React.js, Redux and Next.js (App Router).
- Implement responsive and interactive UIs in collaboration with product designers and backend teams.
- Use TailwindCSS, CSS, and styling libraries to build clean, scalable UI systems.
- Develop robust backend APIs, services, and microservices using Nest.js and Express frameworks.
- Design and optimize relational and NoSQL databases (PostgreSQL, MySQL, MongoDB) with Prisma ORM.
- Architect full stack codebases following industry best practices, design patterns, and performance standards.
- Work with micro frontends and monorepo/multi-repo structures to build large-scale modular applications.
- Build and maintain internal design systems and component libraries.
- Utilize TypeScript to write readable, maintainable, and strongly typed code across frontend and backend.
- Optimize application performance, SEO, and overall user experience.
- Work with state management libraries (Redux) and TanStack Query for client/server state synchronization.
- Implement authentication, authorization, and secure REST/GraphQL API integrations.
- Maintain high code quality using linting tools, formatting standards, and Git workflows.
- Participate in release processes and CI/CD pipelines for smooth deployments.
- A solid foundation on OOP, Algorithm, Data Structure, knowledge of REST APIs and GraphQL.
- Experienced with SDLC and Agile methodologies.
- Version control with Git, GitHub; containerization with Docker.