Sayan Sen

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Summary

Full-Stack Developer with proven experience building end-to-end web applications using React/Next.js frontend and Node.js backend stack. Proficient in PostgreSQL, MongoDB, Redis, and Socket.io for high-performance, scalable applications.

Experience

Techidata solutions | Delhi, India
Full stack developer | 06/2023 - Present

- Developed and maintained **REST APIs** using **SQL**, **MongoDB**, and **Socket.IO** for real-time communication.
- Implemented caching and data optimization using **Redis**.
- Integrated backend APIs with **React** and **Next.js** frontend for seamless user experience.
- Assisted in debugging, testing, and optimizing full-stack application performance.

Techidata solutions | Delhi, India
Full Stack Developer Internship | 02/2023 - 06/2023

- Developed responsive web apps using **React** and **Next.js**.
- Integrated frontend with **MongoDB** for efficient data management.
- Assisted in building APIs, debugging, and optimizing application performance.

Skills

Node.js, Javascript, ReactJS, NextJS, Redis, Socket.io, PostgreSQL, Mongodb, Git, GitHub, RESTful APIs, JWT

Education

Hooghly Engineering and Technology College
Bachelor of Technology in Computer Science & Engineering | 06/2022

- Hosted a **tech competition**, managing logistics and coordination for participants.
- Secured **1st position in sports**, demonstrating teamwork and leadership skills.

Kalyani Central Model School | Kalyani
Senior Secondary (Class XII), Science Stream | 04/2018

Projects

Ride-Hailing Platform (https://my-app-yewl.vercel.app) :

- Built a full-stack ride-hailing app with **Next.js**, **NestJS**, **PostgreSQL**, and **Redis**
- Implemented real-time driver tracking using **Socket.io** and geospatial matching algorithms
- Developed an admin dashboard for zone/driver management and integrated the Google Maps API
- Deployed a scalable system handling concurrent users with optimized database performance

Eshop - eCommerce Platform (github.com/sen7sayan/foodmine-react-js) :
- Created a responsive eCommerce platform using **Next.js** with server-side rendering
- Built a shopping cart system with a persistent state and a multi-step checkout process
- Implemented product catalog with search, filtering, and RESTful API integration
- Optimized performance through code splitting and mobile-first responsive design