

Rohan Chatterjee

(Frontend Developer)

OBJECTIVE

Aspiring to be part of an organization that would provide me an opportunity to contribute in its objective and a culture and environment for my personal endeavors.

SUMMARY

- 4+ years of experience as a Software Engineer with hands-on experience from designing to development of small and large-scale Web & Enterprise applications using Frontend Technologies.
- Proficient in full-stack development with hands-on experience in **JavaScript, HTML, CSS, ReactJS, Node.js, Express.js, Hono, TypeScript, Redis, Go, Rust, and NextUI**. Recently Started working on containerization and cloud deployment using **Docker** and **AWS**.
- Extensive experience in delivering projects following **Agile/Scrum methodology** involving Requirement Analysis, design, implementation, testing, deployment, debugging, delivering and maintaining the site.
- Conceptual innovative problem solver with excellent organizational and communication skills.

WORK EXPERIENCE

- Currently working at **Sharma Digital Consulting**(<https://sharmadigitalconsulting.com/>) as Senior Software Engineer - **March 2021– Present**

TECHNICAL SKILLS

Languages Known:	JavaScript, TypeScript, Go, Rust, Java
Databases:	MySQL, MongoDB, PostgreSQL, Redis
Web Technologies:	HTML, CSS, JavaScript (ES6+), jQuery, React.js , Next Js, Node.js, Hono, TurboRepo, CSS Frameworks(Tailwind CSS), WebSockets.
Version Control:	Git / GitHub
CI/CD:	Docker (Hands-on), Jenkins (Basic knowledge)
IDE & Tools:	Neovim, VS Code, Postman, NPM, Yarn
Operating Systems:	Windows, Linux (Ubuntu)
Cloud & DevOps:	Basic knowledge of Kubernetes (K8s) and Jenkins Familiar with Docker and AWS deployments

PROJECTS UNDERTAKEN

Project 1: Purchase Order Tracking Platform

May 2025 – Present

Tech Stack: Next.js (TypeScript), Node.js (TypeScript), MongoDB, XLSX Parser

Developed a purchase order tracking application for a US-based client to streamline tracking of PO line items with Indian suppliers. The platform digitized the supplier follow-up process, enabling clients to view real-time updates on PO status — from acceptance to final delivery — without relying on phone communication.

Responsibilities:

- Built a Next.js frontend with TypeScript, using server-side rendering for performance and SEO.
- Developed a monolithic Node.js backend (TypeScript) with secure APIs to handle PO data, line items, and updates.
- Implemented Excel (.xlsx) file upload and parsing for PO data ingestion directly into MongoDB.
- Designed and integrated role-based authentication and access control for Clients, Agents, and Suppliers.
- Enabled real-time PO tracking with line item-level details like EXW date, readiness, delivery status, etc.
- Created dashboards for different roles to manage PO progress, delays, and manual supplier updates.

Project 1: Bidding Application

April 2025 – May 2025

Tech Stack: Next.js (TypeScript), Tailwind CSS, Node.js (TypeScript), MongoDB, XLSX Parser, AWS(S3)

Bidding Application where the client can sell off their scrap of remaining parts to other agents at the price client want to sell, then sell the scrap of the part numbers to the sellers at the best price.

Responsibilities:

- Built backend on **Node js Typescript** monolith backend with secure api system to do the crud operations.
- Role based management where the **SELLER BUYER AND ADMIN** where **SELLERS** can create **BID**.
- Buyers can create orders on a bid and sellers can accept the orders.
- **NEXT JS** based frontend where we have dashboards and permissions based setup for the roles.
- **BID Images** are uploaded on **AWS s3** too.

Project 2: Inventory Management Platform

Nov 2024 – April 2025

Tech Stack: Next.js (TypeScript), Node.js (TypeScript), MongoDB, XLSX Parser

Developed inventory management for a US-based client to streamline management of inventory Top level assemblies with Indian suppliers. The platform digitized the supplier follow-up process, enabling clients to view real-time updates on Planning of top level assembly and view status of the planning of the top level assembly.

Responsibilities:

- Built a Next.js frontend with TypeScript, using server-side rendering for performance and SEO.
- Developed a monolithic Node.js backend (TypeScript) with secure APIs to handle inventory data, sub assembly, and updates.
- Implemented Excel (.xlsx) file upload and parsing for importing data ingestion directly into MongoDB of part numbers and top level configurations.
- Designed and integrated role-based authentication and access control for **ADMIN,PLANNER..**
- Created planning for single top level assembly and for multiple top level assembly.
- Curated release management feature where users can release quantity for top level assembly where users can add the quantity back to the inventory .

Project 3 : P2Care

March 2024 – Nov 2024

P2Care is a healthcare platform built to enable patients to search hospitals and doctors, book appointments, and manage their medical visits. Doctors have a separate interface to view and manage appointments. The application was designed using a monolithic architecture with a robust TypeScript backend and Next.js frontend.

Responsibilities -

Next.js frontend with TypeScript for server-side rendering and improved performance.

Monolithic Node.js backend (TypeScript-based) handling authentication, appointments, and role management

Patients can **browse doctors/hospitals**, book or cancel appointments.

Doctors have a secure dashboard to **manage scheduled appointments**.

Images (e.g., doctor profiles, hospital banners) uploaded and stored securely on **AWS S3**.

MongoDB is used for scalable and flexible data management.

Implements **role-based access** (Patient / Doctor) for tailored dashboards.

PROJECT 4:Renworthy (Product Rental Platform)

July 2023 – Feb 2024

Renworthy is a rental marketplace platform that enables users to **browse, book, and rent products** listed by the business. Initially built on a monolithic architecture with MongoDB, the backend was later **migrated to a microservices architecture** using TypeScript for better scalability and modularity. The platform also supports **Stripe payment integration** and **image/file storage on AWS S3**.

Responsibilities –

- Developed core product listing and rental workflows using **React.js and TypeScript**.
- Configured **AWS S3** for secure and efficient file handling.
- Migrated MongoDB-based data handling to modular services backed by S3 storage for specific use cases.
- Worked with the client directly to refine requirements, test edge cases, and improve UX.

PROJECT 5: SEBCO (Construction Query Portal)

March 2023 – June 2023

SEBCO is a web-based portal developed for a construction business to enable potential customers to submit queries related to building costs, materials, and services. Admins could view and respond to these queries via a secure panel

Responsibilities:

- **Customer-facing interface** built with **Next.js + TypeScript** to allow users to ask questions related to construction services and pricing.
- **Admin panel** to view incoming queries and respond in real-time.
- **Firebase Firestore** used as the backend database to store query data and responses.
- Used **NextUI** for building responsive and elegant UI components.
- Built entirely using **monolith structure** with **TypeScript** across both frontend and backend.

PROJECT 6: Shreejee Enterprises

Dec 2022 – Feb 2023

Shreejee Enterprises, a coal manufacturing company, needed a modern website to handle customer queries and streamline supplier operations. The solution included a fully responsive website with an admin panel for managing and responding to customer inquiries.

Responsibility:

- **Developed a customer-centric website** using **Next.js, TypeScript** tailored for a coal manufacturing business to present services and collect customer queries.
- **Set up Firebase** as the backend to store and manage form submissions and user data in real-time.
- **Built an admin panel** to allow the internal team to view and respond to incoming customer queries efficiently.
- Utilized **VS Code** and **Neovim** for daily development and debugging tasks.

Project 7: Map-o-Share

March 2021 – Feb 2022

Map-o-Share is a web-based platform built to allow users to view and share fuel availability (Petrol/Diesel) and EV charging stations within a 5km radius, using map-based pointers and real-time notification microservices.

Responsibility-

- Designed and implemented **map logic using Leaflet.js** for 5km-radius filtering and visualizing markers.
- Developed the **React.js frontend** to interact with the Node.js backend.
- Added Cron Worker to fetch the petrol and diesel prices around the country and refetches in 24 hrs.
- Go based Microservice where used **Docker Image of Redis** to implement the notification api.