

Md. Saiedur Rahman Saied

Software Engineer (Frontend)

+8801609095941 - Dhaka, Bangladesh

✉ saiedrahmanbd@gmail.com



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INTRODUCTION

Frontend Engineer with expertise in React, Next.js, TypeScript, Redux, and WebSockets. Skilled in SPAs, SSR, real-time systems, and modular architecture with a strong grasp of frontend design principles and patterns. Passionate about PWAs, mobile-first design, and performance optimization using tools like Turborepo, TailwindCSS, and Vite.

PROFESSIONAL EXPERIENCE

Frontend Developer

TARS INDUSTRIES - Oct 2024 - Present

Dhaka, Bangladesh

- Developed and scaled a full-featured real-time social media platform ("Universe") with messaging, notifications, wallet system, and e-commerce marketplace.
- Engineered real-time chat using WebSockets, supporting up to 10,000+ concurrent users with minimal latency.
- Designed and implemented interactive features such as content creation, post interactions (likes, comments, saves), infinite scrolling, and user profile categorization.
- Architected the entire monorepo infrastructure using Turborepo, Vite, and pnpm, improving developer velocity and reducing build times by 40%.
- Collaborated with designers and backend engineers to deliver mobile-first, responsive UIs with full cross-browser compatibility.
- Implemented Redux for global state management, Vitest for unit testing, and followed Agile practices including regular code reviews and Git-based CI/CD.
- Continuously optimized web performance (reduced initial load by 30%) and ensured accessibility compliance across core pages.

TECHNICAL SKILLS

Languages: TypeScript, JavaScript (ES6+)

Frontend Technologies: Next.js, React, Redux, RTK, React Router, Context API, TailwindCSS, Bootstrap

Real-Time Communication: WebSocket, Socket.io

Build Tools & PM: Vite, Turborepo, pnpm, npm

Version Control: Git, Github

Testing & Debugging: Vitest, Jest, Dev tools

Familiar: MySQL, Express.js, MongoDB

EDUCATION

BSc in Computer Science and Engineering (3rd Year Dropout)

BRAC University | Sep 2022 – 2024

Completed coursework with a CGPA of 3.90

PROBLEM SOLVING

Solved 100+ problems across multiple online platforms.

PROJECTS

Universe

[Frontend Demo](#)

(Social Media | Marketplace)

- Built a scalable, real-time social networking platform with messaging, notifications, marketplace, wallet, and an admin panel.
- Designed modular microfrontend architecture using Turborepo, Vite, and pnpm for improved build times and maintainability.
- Integrated WebSockets for instant chat, Redux for state sync, and role-based access for admin-level moderation.
- Achieved 40% faster deployments with shared components and optimized development pipelines.

Technology: React, TypeScript, Redux, WebSocket, TailwindCSS, Vite, Turborepo, pnpm, Vitest, React Router,

FashionFizz

[Live | Client](#)

(E-commerce Clothing Website)

- Developed a full-featured e-commerce platform for browsing, selecting, and purchasing clothing.
- Implemented product filtering, cart system, order tracking, and responsive UI with React and TailwindCSS.
- Utilized React, ReactRouter, TailwindCSS, and Context API to deliver a seamless user experience.

Technology: React, React Router, TailwindCSS, Context API, JavaScript etc.

Chat App

[Live | Client | Server](#)

(Real Time Messaging App)

- Developed a real-time messaging app with chat rooms, private messaging, and authentication using MERN stack and Socket.io.
- Designed responsive, mobile-first UI with Vite, TailwindCSS, and React Router.x
- Achieved <200ms message delivery latency through optimized Socket.io architecture.

Technology: Express.js, Node.js, React, MongoDB, Socket.io React Router, TailwindCSS, Daisy UI, etc.

CERTIFICATIONS

FRONTEND DEVELOPER INTERN

TARS INDUSTRIES

Advanced Web Development

BRAC University