

Md Mahfuj Ahmed

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SUMMARY OF QUALIFICATIONS

- Full Stack Developer in **Next.js**, **React** and **TypeScript** with proven expertise in building scalable, production-ready applications using modern database solutions including **Prisma ORM**, **Supabase**, and **PostgreSQL**
- Demonstrated ability to architect real-time communication systems using **WebSocket** technology, with hands-on experience developing social connection platforms featuring user **matching algorithms** and seamless chat functionality
- Implemented comprehensive query optimization using **TanStack Query** for client-side caching and **Django ORM** `select_related()` optimizations, enabling instant data retrieval from cache while reducing fresh data API calls by 45%
- Collaborative team developer delivering clean, maintainable code for high-impact social enterprise projects

TECHNICAL SKILLS

Front-end: Next JS, React JS, Redux, Zustand, TanStack Query

Back-end: Next JS, Prisma ORM, Supabase, PostgreSQL, RESTful APIs

Languages: TypeScript, JavaScript(ES6+), C++, Python

Styling: Tailwind CSS, CSS3, Chakra UI, Material UI, Bootstrap, SASS

Tools & Infrastructure: Git, GitHub, Docker, CI/CD pipelines, Figma (UI/UX), Jira, Agile methodologies, Linux

EDUCATION

Diploma in Full Stack Web Development

September 2023 – August 2025

Red River College

- Group Champion** at **Sprint to Innovation 2025** hosted by Canada Life, Tech Manitoba and RRC. (team_reimagine)

PROFESSIONAL EXPERIENCE

Junior Software Engineer

December 2021 – June 2023

LILLAB Sylhet, Bangladesh

- Developed full-stack e-commerce platform using **Next JS**, **Tailwind CSS** and **React Query** with client-side caching and image optimization, reducing page load times by **30%** and improving mobile responsiveness
- Designed & optimized **Django RESTful APIs** for product/cart features, cutting API latency by 40% through query optimization
- Automated **CI/CD workflows** with GitHub Actions, enabling seamless deployments and faster iteration
- Contributed to code reviews, database design, and UX research for high-quality product development

PROJECTS EXPERIENCE

Connexions Spectrum

May 2025 – August 2025

Mobile App | React Native, Supabase

Winnipeg, MB

- Developing social communication mobile app for autism community using **React Native** with **Supabase and PostgreSQL**
- Built optimized **JavaScript matching algorithms** with **TanStack Query caching** and developed comprehensive dashboard for match visualization, acceptance/rejection interface, and user engagement analytics
- Developed **real-time WebSocket chat** system with complete messaging features including delivery receipts, typing indicators, and persistent inbox
- Designed push notification system using **Expo Notifications** for real-time user alerts and engagement

Game Hub | ([GitHub](#), [visit](#))

Front-End | React, Tailwind CSS

Winnipeg, MB

- Developed interactive game discovery platform using **React with React Query** for optimized data fetching and **Zustand** for efficient state management
- Designed a responsive UI with **Tailwind CSS**, achieving **95%+ mobile accessibility** (Lighthouse)
- Built advanced search and filtering system enabling game discovery by genre, platform, popularity and user ratings