

Md Arifur Rahaman

Senior Software Engineer | React.js | Next.js | NestJS | TypeScript

Dhaka, Bangladesh

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SUMMARY

Senior Software Engineer with 6+ years of experience architecting and building high-concurrency, scalable web applications across Q-Commerce, FinTech, and TravelTech. Expert in modern JavaScript/TypeScript ecosystems, bridging the gap between robust frontend architectures (React, Next.js) and efficient backend integrations (Node.js, Express, NestJS, GraphQL, REST). Proven track record of leveraging AI-native workflows (Cursor, Claude) to establish team-level frameworks and accelerate full-cycle feature delivery. Adept at designing multi-tenant systems, managing CI/CD pipelines, and driving end-to-end performance optimizations in distributed enterprise environments.

EXPERIENCE

Senior Software Engineer — LYXA | lyxa.ai

Oct 2025 – Present | Dhaka, Bangladesh

- Engineered end-to-end features for large-scale, high-concurrency TypeScript applications, seamlessly integrating complex frontend dashboards with internal microservices (orders, CRM, financial, services).
- Spearheaded AI-native development practices, establishing reusable prompt frameworks that standardized full-stack component generation and significantly accelerated feature delivery.
- Designed service integration patterns across internal microservices, improving reliability and maintainability.
- Improved system reliability and maintainability by establishing rigorous code quality standards and implementing comprehensive unit and integration testing strategies.

Software Engineer — Saimon Global Ltd / Tryotel Ltd / Oskies Ltd

Jan 2022 – Sep 2025 | Dhaka, Bangladesh

- Architected a high-traffic, multi-tenant OTA ecosystem, optimizing end-to-end data flow using GraphQL, REST APIs, and SSR caching to drastically reduce system latency.
- Developed centralized admin portals and automated business workflows, reducing manual operational effort and improving cross-platform efficiency.
- Enhanced checkout processes and recommendation engines, successfully increasing add-on sales by 18%.
- Mentored cross-functional teams on system architecture and managed automated CI/CD pipelines.

Frontend Developer — Minicabit Ltd

Jan 2021 – Dec 2021 | London, United Kingdom (Remote)

- Developed core features for a high-traffic UK transport platform serving over 460K+ users, contributing to both modern responsive interfaces and legacy PHP-based system optimizations.
- Improved overall application performance through rigorous Core Web Vitals auditing, resource optimization, and strict accessibility compliance.

Frontend Developer — AAMARTAKA

Jan 2020 – Jan 2021 | Dhaka, Bangladesh

- Built a FinTech comparison engine using Next.js, integrating third-party financial APIs to power data-heavy interfaces for comparing complex bank loan and credit card products.
- Developed modular UI components and optimized data rendering strategies to improve user experience and platform responsiveness.

EDUCATION

Bachelor of Science (B.Sc.) in Computer Science & Engineering

Daffodil International University, Dhaka, Bangladesh

2018 – 2021

Diploma in Computer Technology

Dhaka Polytechnic Institute, Dhaka, Bangladesh

2012 – 2016

Secondary School Certificate

Progati High School, Dhaka, Bangladesh

2012

SKILLS

- **Languages & Core:** JavaScript (ES6+), TypeScript, Node.js
- **Frameworks & Libraries:** React.js, Next.js, Express.js, NestJS, Redux Toolkit, Zustand, React Hook Form, Tailwind CSS, Material UI, Ant Design
- **API & Data:** GraphQL, REST APIs, tRPC, React/TanStack Query, MongoDB
- **Testing:** Jest, React Testing Library, Unit Testing, Integration Testing
- **Architecture & Ops:** Microservices integration, SSR/ISR, Docker, CI/CD (GitHub Actions), Linux Servers
- **AI Development Tools:** GitHub Copilot, Cursor, Claude
- **Specialized:** Real-time WebSockets (Socket.io), Stripe Integration, JWT/OAuth2 Authentication

PROJECTS

Market Mavericks — Multi-Tenant LMS SaaS Platform

Next.js, React, TypeScript, Redux Toolkit, Express.js, MongoDB, Stripe

- Architected and developed a scalable multi-tenant LMS platform with modular architecture and strict tenant-based data isolation.
- Designed REST APIs, MongoDB schemas, and secure RBAC authentication flows.
- Integrated Stripe workflows for one-time purchases, subscriptions, and commissions.
- Configured automated CI/CD pipelines for rapid deployment and scalable operations.

Tryotel — Multi-Tenant Travel Platform (B2C & B2B) | www.tryotel.com

Next.js, React, Redux, Material UI, GraphQL

- Engineered a high-traffic travel platform, optimizing data-fetching strategies and client-server communication using complex GraphQL integrations.
- Designed scalable application architecture and reusable component systems to support dynamic customer-facing and business operations.
- Enhanced checkout workflows and integrated recommendation engines, successfully increasing platform add-on sales by 18%.
- Improved overall system performance and load times through SSR, robust caching & rendering optimizations.

Oskies — E-Commerce Platform & Admin Dashboard | www.oskiesbd.com

Next.js, React, GraphQL, Redux Toolkit, Ant Design, Tailwind CSS

- Developed SEO-optimized eCommerce solutions and centralized admin dashboards to manage extensive inventory and operational workflows.
- Implemented efficient GraphQL queries for high-performance data rendering across analytics dashboards and order management systems.
- Automated key administrative and business processes, reducing manual workload by over 50% and vastly improving operational efficiency.