

MD Mehedi Islam Ripon

Software Engineer

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SUMMARY

Software Engineer with 4 years of experience building large-scale enterprise web applications across the travel-tech (OTA), food-delivery, fintech, and CRM domains. Specialized in JavaScript, TypeScript, React.js, and Next.js, with strong command of SSR/CSR rendering strategies, modern state management, and clean-code/SOLID principles. Experienced in shipping production systems end to end, from architecture and API integration to deployment and maintenance.

TECHNICAL SKILLS

Languages: JavaScript, TypeScript, HTML5, CSS3
Frameworks & Libraries: React.js, Next.js, Redux, Context API, TanStack Query, React Flow, AG Grid, Axios, Socket.IO
Styling: Tailwind CSS, Bootstrap
Backend: Node.js, Express.js, MongoDB
APIs & Data: REST, GraphQL, JWT Authentication
Rendering & Performance: SSR, CSR, Code Splitting, Caching
DevOps & Tools: Git, GitHub, DigitalOcean, Nginx, PM2
Practices: Clean Code, SOLID Principles, Agile/Scrum, Code Review

EXPERIENCE

Software Engineer Dec 2024 – Present
TechnoNext Ltd. Dhaka, Bangladesh

- Developed large-scale enterprise applications with JavaScript, TypeScript, React.js, Next.js, and Tailwind CSS for the US-Bangla Group’s travel-tech and fintech products.
- Leveraged advanced Next.js capabilities, including Server-Side Rendering (SSR) and Client-Side Rendering (CSR), to optimize performance, SEO, and time-to-interactive on high-traffic pages.
- Built flight, hotel, and visa booking flows for the B2C (Firsttrip) and B2B (Triplover) OTA platforms, used by thousands of agents and end users.
- Built and maintained the admin and merchant panels for a Payment System Operator (PSO) product, enabling management of merchants, transactions, and settlements.
- Implemented secure authentication (JWT, role-based access control) and applied clean-code and SOLID principles to keep the codebase scalable and testable.
- Deployed and maintained applications across staging and production environments, ensuring high availability and consistent performance.

React.js Developer Jan 2024 – Nov 2024
Bdtask Limited Dhaka, Bangladesh

- Collaborated in a four-person engineering team to resolve compatibility issues, eliminate technical debt, and standardize development processes.
- Optimized the bot-flow module of a WhatsApp CRM application, streamlining chatbot-flow creation and driving a measurable lift in user retention.
- Deployed the application on a DigitalOcean server, configuring Nginx, Node.js, and PM2 for process management and zero-downtime restarts.
- Integrated the Stripe payment gateway into the WhatsApp CRM, enabling secure online payments with a complete payment-history audit trail.

Junior Software Engineer Sep 2022 – Dec 2023
Xeon Technology Limited Dhaka, Bangladesh

- Collaborated in an Agile team to prioritize and deliver high-impact feature requests for ERP and e-commerce products.
- Designed and launched a lightweight ERP solution, improving page speed by 60% and supporting a growing user base with a responsive UX.
- Built dynamic web applications and reusable ERP modules across projects of varying scale.
- Modernized the front-end architecture by adopting current frameworks and tooling, achieving a 40% reduction in load times across multiple projects.

PROJECTS

Paynext | *Payment System Operator Platform (Fintech)* | paynext.com.bd

- Web platform for a Bangladesh Bank-licensed Payment System Operator, spanning admin and merchant panels plus customer checkout, developed under TechnoNext's fintech expansion.
- Implemented full authentication, role-based action and menu permissions, SSO integration, and user management in both the admin and merchant panels.
- Developed link-payment functionality and built the embedded checkout for the Paynext customer checkout flow.
- Built merchant, transaction, and settlement management screens with audit trails and SOLID-aligned module boundaries.
- Reviewed team members' code and provided feedback to ensure code quality and adherence to best practices.
- **Tech Stack:** Next.js, TypeScript, React.js, Tailwind CSS, REST APIs

Firsttrip | *B2C Online Travel Agency* | firsttrip.com

- Consumer travel platform of the US-Bangla Group offering flight bookings, domestic hotels, and visa assistance to 260K+ monthly visitors.
- Built customer-facing flight search, fare rules, and checkout flows with Next.js SSR for fast first paint and SEO-friendly itinerary pages.
- **Tech Stack:** Next.js, TypeScript, React.js, Tailwind CSS, REST APIs

Triplover | *B2B Online Travel Agency* | triplover.com

- B2B OTA platform serving 3,500+ travel agent partners across Bangladesh with flight, hotel, tour, insurance, and visa services.
- Implemented agent dashboards, booking workflows, and partner-onboarding screens with role-based access and clean component boundaries.
- **Tech Stack:** Next.js, TypeScript, React.js, Tailwind CSS, TanStack Query

Foodi | *Online Food & Grocery Delivery* | foodibd.com

- Food and grocery delivery platform of the US-Bangla Group, operating in 27 districts with 1,500+ restaurants and ~1M monthly orders.
- Contributed to web front-end modules covering restaurant discovery, cart, and order management, focusing on responsive UI and performance.
- **Tech Stack:** Next.js, TypeScript, React.js, Tailwind CSS

MaherChat | *WhatsApp CRM Software*

- CRM for WhatsApp featuring ticket management, live chat via the Meta API, real-time message tracking, chatbot automation, and broadcast monitoring.
- Built the chatbot-flow builder with React Flow and implemented reliable real-time messaging with Socket.IO.
- **Tech Stack:** React.js, JavaScript, TanStack Query, Axios, Tailwind CSS, Socket.IO, React Flow, AG Grid

PocketX | *ERP Solution*

- Architected the application from the ground up, establishing its foundation, conventions, and front-end architecture.
- Implemented business logic for sales, purchases, orders, and quotations, managing data flow between GraphQL APIs, context providers, and React components.
- **Tech Stack:** Next.js, TypeScript, JavaScript, GraphQL, Tailwind CSS

EDUCATION

Dhaka International University

B.Sc. in Computer Science and Engineering — CGPA: 3.03/4.00

Jan 2022 – Sep 2025

Dhaka, Bangladesh

Aptouch Polytechnic Institute

Diploma in Engineering, Computer Science and Technology — CGPA: 3.85/4.00

Aug 2017 – Aug 2021

Dinajpur, Bangladesh