

Md. Rakibul Islam

Software Engineer

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SUMMARY

Full-Stack Software Engineer with 1.5+ years of experience building web applications end-to-end — React/Next.js frontends and Node.js/Express backends with MongoDB and PostgreSQL. Delivered a **25%** load-time improvement and built real-time, job-scheduled systems across multiple production projects. Comfortable across the full stack, with growing backend depth through Go.

TECHNICAL SKILLS

Languages: TypeScript, JavaScript (ES6+), SQL, Go (*currently learning*)

Frontend: React.js, Next.js, Vue.js, Tailwind CSS, Redux, Zustand, Context API

Backend & Databases: Node.js, Express.js, REST APIs, WebSockets, MongoDB, PostgreSQL, Firebase

DevOps & Tools: Docker, Linux VPS, Nginx, PM2, Git, GitHub Actions, Vercel, Render, Postman, Prisma

EXPERIENCE

Junior Executive, Front End (*Full-Stack Contributions*)

April 2025 – Present

SM Technology

Dhaka, Bangladesh

- **Optimized API & Server Communication:** Enhanced end-to-end data-fetching strategies, state management, and server-client communication, improving overall application load performance by **25%** as measured by Core Web Vitals.
- **Server & Infrastructure Management:** Managed application deployments and server environments using Linux VPS, PM2, and Nginx, alongside configuring and securely connecting MongoDB production databases.
- **Scalable Architecture & UI:** Engineered a reusable component library adopted across 3+ core products, streamlining the development lifecycle and reducing average feature development time by **30%**.

Junior Developer (Remote)

Feb 2024 – May 2024

Trodev

Remote

- Translated 10+ high-fidelity design mockups into fully responsive React interfaces, achieving pixel-perfect cross-browser and cross-device compatibility with zero layout regressions.
- Diagnosed and resolved 20+ critical frontend bugs, measurably improving application stability and reducing user-reported UI issues in production by 40%.

Software Quality Testing Intern

Mar 2024 – Apr 2024

Bangladesh Computer Council (BCC)

Dhaka, Bangladesh

- Executed comprehensive manual test plans covering edge cases and regression scenarios, collaborating directly with developers to resolve defects prior to national-scale public release.

PROJECTS

SpiderNode – Uptime Monitoring Platform *Next.js, NextAuth, Prisma, PostgreSQL, Telegram Bot API* [Live](#) | [GitHub](#)

- Engineered a full-stack uptime monitoring platform with cron-triggered health checks running concurrently via `Promise.allSettled`, tracking response time, HTTP status codes, and downtime duration.
- Integrated a Telegram Bot webhook for real-time incident alerts—users link their account via a `/start` command flow, receiving instant push notifications when an endpoint goes down or recovers.
- Built a dashboard with NextAuth session-based auth, incident history tracking, public status page per user, and a rate-limited REST API.

Petcare Booking Platform *Next.js, Node.js, TypeScript, Prisma, MongoDB*

[Live](#) | [GitHub](#)

- Delivered a full-stack booking platform with client portal and admin dashboard, featuring JWT/OTP authentication and role-based access control.
- Designed a robust REST API with automated background job scheduling and PDF invoice generation, deployed on a VPS.

Healthcare Staffing Dashboard *React.js, Next.js, Node.js, Prisma, Tailwind CSS*

[Live](#) | [GitHub](#)

- Built a dual-dashboard system for healthcare facility and medical provider management with Stripe payment integration.
- Implemented complex multi-step form validation using React Hook Form and Zod, eliminating data integrity errors.

EDUCATION

M.Sc. in Computer Science

Jahangirnagar University

Jan 2026 – Present

CGPA: 3.75/4.00 (1st Semester)

B.Sc. in Computer Science and Engineering

Bangladesh University of Business & Technology (BUBT)

Feb 2020 – Dec 2023

CGPA: 3.34/4.00

LEADERSHIP & ACTIVITIES

President, BUBT IT Club (Aug 2023 – Feb 2024) | **Joint Secretary** (Dec 2022 – Aug 2023)

Volunteer Lead, ICPC Asia Dhaka Regional 2023 (BUBT) & National IT Olympiad (BCC, Feb 2023)