

Md Tarikul Islam

Full Stack Engineer

+880 1611-826146 | tarikul@mdtarikulislam.com | mdtarikulislam.com | in.tarikulislam2000 | github.com/tarikulislam2000

Professional Summary

Full Stack Engineer with 2.5+ years designing and scaling backend architecture, custom automation tools, and secure web applications for enterprise and government clients. Owned projects end-to-end — requirements gathering, architecture, development, deployment, and direct stakeholder communication — cutting manual workflows by up to 60% and load times by up to 40% while shipping 15+ production systems and 200+ optimized API endpoints supporting 3,000+ concurrent users. Core stack: React.js, Next.js, TypeScript, Node.js, Express.js, PostgreSQL/MySQL. Open to remote Frontend, Backend, or Full-Stack roles globally, and onsite/hybrid roles in Bangladesh.

Technical Skills

Frontend: React.js, TypeScript, JavaScript, Next.js, Tailwind CSS, HTML5, CSS3, SCSS, Shaden UI, Framer Motion, GSAP, React Three Fiber

Backend: Node.js, Express.js, Nest.js, Fastify, RESTful APIs, GraphQL, Microservices

Databases & ORMs: PostgreSQL, MySQL, MongoDB, Redis, Prisma ORM, Database Normalization

Cloud & DevOps: AWS, Cloudflare, Docker, Kubernetes, CI/CD (GitHub Actions), Vercel, Netlify, Firebase, cPanel, VPS

Testing & Tools: Jest, Unit Testing, Git, Postman, Webpack, Vite, Monorepos, PNPM/Yarn/NPM/BUN, Agile Methodology

Integrations: Stripe, Google Maps, Firebase Realtime, Socket.io

Professional Experience

SYSSOLUTION

Full Stack Developer

Dec 14, 2023 - Present

Onsite - Dhaka, Bangladesh

- Cut average API latency by 70% across 200+ RESTful endpoints (Node.js, Express.js, MySQL) supporting 3,000+ concurrent users, by introducing Redis caching, query indexing, and connection pooling across 15+ business systems.
- Eliminated fully manual SMS dispatch and employee-tracking processes, saving an estimated 300+ hours of manual work per week, by designing and shipping 10+ full-stack automation tools (React.js, Node.js, MySQL) from requirements through deployment.
- Achieved 95+ Lighthouse performance scores across 10+ production interfaces by implementing code-splitting, lazy-loading, and memoization patterns in React.js and TypeScript.
- Extended the usable lifecycle of 5+ legacy systems with zero client-facing downtime by refactoring codebases to TypeScript and integrating new features, coordinating directly with business stakeholders on evolving requirements.
- Maintained 99% uptime across all production deployments by owning end-to-end CI/CD pipelines (GitHub Actions) and server configuration across VPS and cPanel environments.

Bythzenith

Frontend Developer(Intern)

Sep 01, 2023 - Nov 30, 2023

Remote -Dhaka, Bangladesh

- Shipped 5+ responsive landing pages and corporate websites on schedule with 90+ page-speed scores, using React.js and Tailwind CSS following mobile-first performance best practices.
- Achieved pixel-accurate sign-off on UI components across 5+ projects with minimal revision cycles by translating design mockups directly into production-ready React.js components.
- Delivered 100% of assigned features on schedule across 78+ sprint cycles by collaborating daily with designers and backend engineers in a cross-functional Agile team.
- Maintained a clean, conflict-free commit history across 30+ pull requests by enforcing structured Git/GitHub branching standards and peer code review.

Projects

Inventory Management System - DSCSC

2026

- Took over mid-project ownership of a multi-branch inventory system spanning 5 military branches (ICT, Quarter Master, Training & Support, Mechanical Transport, College Engineering); when the original CTO's availability dropped, personally ran onsite

requirement-update meetings with DSCSC's Col GS, CI, and branch officers, coordinating through two in-house programmers to keep evolving requirements aligned with development.

- Built core modules end-to-end — frontend (React, Vite, TanStack Query, Redux Toolkit) and backend (Node.js, Express, MySQL, Swagger) — covering user management, role-based access control (RBAC), and a multi-tier policy-based approval workflow (PBAC).
- Converted an estimated 70%+ of DSCSC's asset workflows to paperless by digitizing multi-stage approval, inspection, and item-issuance processes across Directing Staff and other user roles.
- Architected dynamic branch management (branch creation, branch-level access control, per-branch role menus) within DSCSC's internal structure, enabling new branches to be onboarded without additional development.
- Cut per-item lookup time to under 0.5 seconds across 4,000+ assets and 500+ active users by implementing barcode-driven lookup (bwip-js, react-barcode) with real-time stock visibility via a centralized Redux state layer and Socket.io notifications; deployed on VPS.

Uday builders - udaybuilders.com.bd

2025

- Owned end-to-end development as sole engineer for a real estate portfolio platform (React.js, TypeScript, Vite), gathering requirements through 4–5 onsite client visits and recurring Google Meet calls, and posting task-completion updates via a dedicated WhatsApp group to keep the client continuously informed.
- Built a secure backend (Node.js, Express.js, MySQL, JWT authentication) powering an admin dashboard that let non-technical staff manage property listings and user accounts with controlled CRUD access, including a Multer-based media upload system for real-time content updates; deployed on cPanel.
- Enabled 5,000+ monthly visitors to explore 53+ real estate projects through interactive spatial navigation by integrating React-Leaflet for map-based browsing, with form validation via React Hook Form and Zod.
- Cut initial page-load time by 40% and achieved 95+ Lighthouse scores by optimizing component rendering, using Framer Motion for animation and Axios for API communication — measurably improving organic SEO keyword indexing.

IPTSP (KYC) Management System - Icon Infothec Limited - iptspkyc.icon-infotech.net:81

2024

- Built a secure onboarding and reseller platform end-to-end for IPTSP customer verification, gathering requirements remotely via Google Meet and a dedicated WhatsApp group with Icon Infothec's Operations Lead and the IPTSP Head.
- Processed and verified 1,000+ customer records at 99.9% data integrity using Node.js, Express, and MySQL, with document uploads via Multer and automated status/email notifications via Nodemailer.
- Enforced 100% regulatory data compliance through a 3-tier approval workflow by engineering admin verification dashboards with document-review modules in React, Vite, and React Hook Form.
- Identified and resolved a post-launch security vulnerability by hardening the backend with Helmet (secure HTTP headers) and express-rate-limit (request throttling), then redeployed to VPS.

Education

University of Dhaka

May 5, 2024

Bachelor of Social Science (BSS) in Economics

Dhaka, Bangladesh

- Built foundational analytical and data-structure knowledge through coursework in Computer & Information Technology, Mathematical Economics, Statistics, and Research Methodology.
- Applied quantitative research methods directly to backend architecture and data-workflow design in professional projects.

Volunteer Experience

Sadhinota Camp

Sep 17, 2024 - Present

Support Mentor(voluntary)

Remote - Dhaka, Bangladesh

- Unblocked 150+ students on advanced JavaScript, React.js, and backend assignments by delivering real-time technical troubleshooting via Discord and Google Meet.
- Raised independent problem-solving efficiency by an estimated 40%, by conducting 10+ live classes breaking down core programming and database paradigms into actionable lessons.

Languages

English: Professional Working Proficiency.

Bengali: Native or Bilingual Proficiency.