Ehsanul Ahmmed

Full Stack Software Engineer

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PROFESSIONAL SUMMARY

Full Stack Software Engineer with 2+ years of professional experience building production web applications, REST APIs, and database-driven systems with Next.js, TypeScript, React, Laravel, and Node.js. Delivered platforms for EdTech, healthcare, government, travel, and enterprise clients, including a national OMR exam-processing system with a stated 70%+ reduction in result turnaround and a learning platform serving 1,000+ active students. Experienced in role-based access control, JWT authentication, payment gateway integration, and building multi-role marketplaces and business systems.

TECHNICAL SKILLS

Frontend: Next.js, React.js, TypeScript, Redux, Tailwind CSS, shadcn/ui, SSR and SSG, Bootstrap, jQuery

Backend: Node.js, Express.js, Laravel, PHP, Golang, Django REST Framework, REST API design and versioning

Databases: PostgreSQL, MySQL, MongoDB, Oracle, SQLite, Redis, Prisma ORM

Auth and Security: JWT, OAuth2, Auth.js, RBAC, bKash payment gateway integration

Tools and Deployment: Git, GitHub, GitHub Actions CI/CD, Docker, Vercel, Ubuntu VPS, Cloudinary, Postman, Agile/Scrum

Mobile: Flutter (Dart) for Android and iOS

PROFESSIONAL EXPERIENCE

Full Stack Software Engineer

Oct 2026 – Present

SpaGreen Creative | Dhaka, Bangladesh

- Developing a **cross-border parcel delivery platform** with Laravel and Next.js.
- Contributing to Flutter mobile development and the cloud hosting and deployment of live systems.

Software Developer

May 2024 – Oct 2026

TecFiq Ltd. | Dhaka, Bangladesh

Dhaka-based software house delivering ERP, HR, POS, and project management platforms for enterprise clients.

- Architected **SmartOMR** (Next.js, MySQL), exam evaluation software that reads OMR sheets, barcodes, and QR codes for high-volume assessments; cut result turnaround by 70%+ versus manual workflows across 10,000+ scripts per cycle, and built its **mobile app**. divobd.com/solutions/smartomr
- Built **RightTrack LMS** end to end (Next.js, REST API, MySQL): live and recorded courses, admin, teacher, and student dashboards, real-time analytics, and bKash enrollment payments for 1,000+ active students. righttrack.live
- Developed **Case Plus EMR** (Next.js, Laravel, PostgreSQL, JWT), a healthcare management system covering patient registration through 5 procedure phases, with role-based access control and automated PDF reports. case-plus.tecfiq.com
- Built **Travel Tracker** (Next.js 15, React 19, Prisma, MySQL, NextAuth, TipTap, Google Places), a travel agency platform with a public site, an admin back office, and country-specific visa checklists. trackbd.cloud
- Built the Next.js frontend for the **BBS Pay Commission 2025 Survey Portal**, a nationwide government survey on earnings and expenses with a Golang backend and Oracle DB, CDN-hosted for high-concurrency traffic. v0-bbss-urvey-ft.vercel.app
- Led REST API design and architecture decisions, maintained production servers, and delivered in Agile/Scrum with cross-functional teams.

Web Developer

Oct 2022 – Dec 2022

Divo Solutions Ltd. | Dhaka, Bangladesh

- Built the frontend for **Captura IDP** (HTML, CSS, JavaScript, jQuery), AI-powered software that uses computer vision and NLP to capture, classify, and extract data from documents. divobd.com/solutions/captura-intelligent-document-processing-idp
- Implemented PHP backend CRUD for document scanning, validation, indexing, and processing pipelines.

PERSONAL PROJECTS

Book My Rooms – Hotel and Travel Booking Marketplace

Next.js 16, React 19, TypeScript, Tailwind CSS v4, shadcn/ui, Prisma 7, PostgreSQL (Neon), Auth.js v5, Cloudinary

- Multi-vendor marketplace for hotels, resorts, and homestays in Bangladesh, with search and filters, destinations, offers, room availability, checkout, and booking confirmation.
- Separate admin, vendor, and customer dashboards covering properties, rooms, availability, bookings, reviews, offers, earnings, vendors, and customers, backed by 29 Prisma models including payments, invoices, commissions, refunds, and payouts.
- Three-layer authorization (middleware, page guards, and an RBAC layer that scopes every write by ownership), audit logging for financial and admin actions, and signed direct-to-Cloudinary image uploads.

Live: bookmyrooms.vercel.app · Code: github.com/ehsan-0801/book_my_rooms

Panovia – Multi-Tenant Business ERP

React 19, Vite, Express, TypeScript, PostgreSQL (Neon), JWT, Zod, Tailwind CSS

- ERP for small and medium businesses covering inventory with stock movements, purchasing, sales, customers, suppliers, reporting, and analytics.
- TypeScript REST API with JWT auth and scrypt hashing, a per-role permission matrix, rate limiting, tenant isolation, soft deletes, and stock updates in PostgreSQL transactions.

Live: panovia-erp.vercel.app · Code: github.com/ehsan-0801/Panovia

TaskCanvas – Kanban Board and Image Annotation

Next.js 16, TypeScript, Zustand, dnd-kit, react-konva; Django REST Framework, PostgreSQL, Redis

- Team Kanban boards with drag-and-drop tasks, JWT sessions with token refresh, and an image annotation canvas with polygon drawing, vertex editing, zoom, pan, and undo/redo.

Live: task-canvas-annotate.vercel.app · Code: github.com/ehsan-0801/TaskCanvas-Frontend

CoachDesk – Coaching Centre Management System

Next.js 16 (App Router, Server Actions), React 19, TypeScript, PostgreSQL (Neon), Prisma

- Consolidated a separate Laravel API and Next.js client into one Next.js codebase and database, covering admissions, attendance, results, fees, staff permissions, and a bilingual Bangla and English student portal.

Live: coachdesk-app.vercel.app

HisabKhata – Mess Expense Tracker (Mobile App)

Flutter, Dart, Provider, REST API, GitHub Actions

- Android and iOS app for shared-mess meals, bazar, and bills, with Bearer-token auth, Keychain/Keystore token storage, and a CI pipeline that builds both releases.

Code: github.com/ehsan-0801/HisabKhata_Mobile_app

EDUCATION

BSc in Computer Science and Engineering 2018 – 2022
American International University-Bangladesh (AIUB) | CGPA 3.86 / 4.00
Research: Visualization and Understanding the Impact of Convolutional Layers in Fine-Grained Image Classification

Higher Secondary Certificate (HSC), Science 2016
Ishwardi Government College | GPA 5.00 / 5.00

Secondary School Certificate (SSC), Science 2014
BSRI High School | GPA 5.00 / 5.00

CERTIFICATIONS

Complete Full Stack Developer | Programming Hero August 2022

LANGUAGES

Bengali Native · **English** Professional

REFERENCE

Nooray Yemon | Chief Technology Officer, TecFiq Ltd.
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