

MD. Asanul Haque Kiron

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EDUCATION

- Shahjalal University of Science and Technology** Sylhet, Bangladesh
Bachelor of Science in Computer Science & Engineering 2019 – 2025

EXPERIENCE

- Golden Key POS** Remote, USA | Mar 2025 – Present
Full Stack Engineer | React, TypeScript, Nx, Firebase, Cloud Functions
 - Products:** Built product management for **100+ retail stores** across standard, variant, and combined products — UPC/SKU/PID generation and sync, duplicate-code detection, and bulk import with sanitization of invalid entries.
 - Bulk Operations:** Designed a job-based batch-processing framework, **adopted as the team's standard** for bulk price, category, and product updates across multi-page selections, with configurable batch sizes, permission checks, and per-field change logs.
 - Pricing & Transactions:** Implemented store-scoped price groups with discounted-price calculation, supplier pricing, and price-change logging; hardened transaction totals, hold-transaction warnings, and customer-group expiration checks.
 - Reports & Exports:** Optimized sales-summary PDF generation, export quality, and export Cloud Functions, **cutting export times on large date ranges**.
 - Delivery & Collaboration:** Own features end-to-end from sprint planning to release; ship via **GitHub Actions CI with tests gating merges** and Firebase deploys, review teammates' PRs, and resolve live-store production issues.
- SUST CSE Carnival 2024** 2024
Lead Developer | ReactJS, Vite, TailwindCSS, MUI, React Router csecarnival.sust.edu.bd | [GitHub](#)
 - Led the end-to-end design and development of the official web platform for SUST CSE Carnival 2024 — a responsive UI streamlining participant registration, real-time event updates, and announcements — built and shipped **within one week** on the **official university domain** (now archived on Cloudflare Pages).

PROJECTS

- Multi-Rate Pricing Calculator** [GitHub](#) | [Live](#) | [Demo](#)
React, TypeScript, Node.js, Express, Prisma, PostgreSQL, Tailwind CSS, Vitest
 - Built a full-stack pricing app for documents with line items, per-line percent or fixed discounts and tax, a draft → finalized lifecycle with **immutable finalized documents**, printable view, and date-range reports.
 - Computed all totals **server-side** via a single shared calculation module; secured with bcrypt + JWT (httpOnly cookie) auth and per-user data isolation; backed by **133 automated tests**; **deployed on Vercel**.
- Rental Tracking App** [GitHub](#) | [App](#)
React Native (Expo), TypeScript, TanStack Query, Express, Prisma, PostgreSQL, FCM
 - Built a **production** rental-tracking app with a **fully Bangla UI** — a multi-item rental wizard with daily/monthly/one-time billing, partial/full returns with stock checks, payments, and **auto-computed dues**.
 - Implemented a **JWT-authenticated** REST API with Zod validation on Prisma/PostgreSQL, an investment/profit dashboard, and scheduled **FCM reminders** — **deployed on Render** with an EAS-built APK.
- Social Feed App — Android** [GitHub](#) | [App](#)
React Native (Expo), Node.js, Express, Supabase (PostgreSQL + Auth), Joi, FCM
 - Built a full-stack social media app with **JWT-based authentication**, a real-time feed supporting likes/comments via WebSocket subscriptions, and username-based search, **deployed to a production backend on Render**.
 - Integrated **Expo Push Notifications (FCM)** on post interactions with unseen-notification tracking; secured REST APIs with **Joi validation**.

PROGRAMMING SKILLS

- Languages:** JavaScript, TypeScript, C/C++, Java, Python
- Frontend:** React, React Native (Expo), Next.js, Redux, React Query, TailwindCSS, MUI
- Backend:** Node.js, Express, Cloud Functions, JWT, Zod, Joi, WebSockets
- Databases & ORM:** PostgreSQL, Prisma, Firebase, MongoDB, MySQL, Supabase
- Tools & Platforms:** Git/GitHub, Vercel, Railway, Render, Playwright, Vitest

CERTIFICATIONS & ACTIVITIES

- AWS Academy:** Cloud Foundations | Cloud Developing | Cloud Web Application Builder
- KodeKloud:** Docker Training Course
- Solved **1000+** programming problems on [Codeforces](#), [VJudge](#) and other online judges.