

FARIAN BIN RAHMAN

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[Portfolio](#) | [GitHub](#)

TECHNICAL SKILLS

Languages: JavaScript, TypeScript

Frontend: React, Next.js, TanStack Query, Redux, Zustand, Apollo Client, Tailwind, Zod, Konva.js, Chart.js, Material UI

Backend: Node.js, Express.js, GraphQL (Apollo Server), Prisma, JWT, Passport.js, PostgreSQL, MongoDB, Socket.IO, WebRTC, Stream SDK

DevOps & Integrations: Cloudflare R2, Stripe, Google Calendar API, Puppeteer, Nodemailer, node-cron, ssh

EXPERIENCE

Full-Stack Developer (Contract)

April 2026 - Present

[merQetia](#) - brand strategy & digital marketing agency, Netherlands (Remote)

- Designed and developed the agency's operations platform end to end, serving three role-specific products - client, admin and employee - from a single codebase, with roles enforced server-side on every REST route and socket message.
- Modelled the order lifecycle as five explicit states in which each transition is its own endpoint that validates status, so an employee can only accept work assigned to them and only the client can confirm completion or return it with a change request.
- Delivered real-time collaboration with Socket.IO authenticated on the handshake by the REST API's JWT, scoping every emit to private and role-based rooms so assignments, order threads and staff channels reach exactly the intended people.
- Implemented billing that cannot over-bill: invoices numbered from an atomic counter in full, advance and partial forms, each capped at the order's remaining balance, rendered to PDF through Puppeteer in Docker with system Chromium.
- Built the agency's reporting layer - P&L folding paid invoices against expenses and internal order costs over any date range, order volume by status, and top services by revenue - plus Google Calendar/Meet scheduling shared across orders, support tickets and team channels.
- Hardened the stack with Helmet, rate limiting and Mongo sanitization, and served order attachments from a private Cloudflare R2 bucket through an authorized route that verifies the caller is on that order.

PROJECTS

Think Space | [React](#), [Konva.js](#), [Socket.IO](#), [Express](#), [PostgreSQL](#), [Prisma](#) | [Live](#) • [GitHub](#)

- Built a real-time collaborative whiteboard - an infinite canvas with sticky notes, text, shapes, connectors and freehand ink - syncing every edit, cursor and selection over Socket.IO with optimistic local updates.
- Modelled every tool as a row in one type-discriminated table, giving one socket channel, one history stack and one z-order. So, marquee selection, group drag and export work across mixed item types.
- Stored stroke geometry as fractions of each item's bounding box, making resize free and immune to coordinate rounding, and enforced four collaboration roles server-side on every socket message.
- Added TOTP two-factor auth, WebRTC voice rooms, eight board templates and Stripe-backed plans on a Prisma-managed Postgres schema.

Subscription Manager | *React, Express, GraphQL (Apollo Server), MongoDB* | [Live](#) • [GitHub](#)

- Created a multi-currency subscription tracker with a GraphQL API on Apollo Server, Passport.js session auth, and node-cron renewal reminders over email and in-app notifications.
- Stored every amount twice - the original currency and a USD-normalized value fixed at entry - so exchange-rate movement never rewrites spending history and mixed-currency totals stay addable.
- Built a six-month forecast that walks each real billing schedule forward so annual renewals surface as spikes rather than smeared monthly averages, alongside price-change detection over transaction history.
- Centralized plan limits and feature flags in one config consumed by both server guards and the client, and covered billing-date math, plan gating and the iCal builder with node:test.

Kendro | *React, TanStack Query, Zustand, Stream SDK, Express, MongoDB* | [Live](#) • [GitHub](#)

- Engineered a virtual co-working platform with live audio/video rooms, session timers, task lists and goal tracking, integrating Stream SDKs for synchronous co-working and studying.
- Made rooms optional for sessions so a new account starts working within a minute of signing up, while presence, analytics and the contribution grid all read the same collection either way.
- Derived session durations server-side with break time subtracted and capped at twice the target, plus a throttled sweep that closes heartbeat-less sessions and excludes them from every aggregate.
- Replaced eight mutation-site hooks with one idempotent chat-channel reconcile endpoint that makes the database the single source of truth and kept live UI immediate with TanStack Query and Zustand.

EDUCATION

B.Sc. in Textile Engineering (Industrial & Production)

Bangladesh University of Textiles | Jan 2017 - Sep 2022 | CGPA: 2.99/4.00

CERTIFICATIONS & ACHIEVEMENTS

- [The Full Stack Developer Path](#) – Scrimba
- [The AI Engineer Path](#) – Scrimba
- IELTS 7.5 (CEFR C1 equivalent)
- Runner-Up — Lakshmipur Regional Math Olympiad (2014)