SK Hosenur Rahaman

Full-Stack Engineer | React, Next.js, React Native, Node.js, GraphQL, TypeScript

Full-stack engineer at SkillRev, building multi-tenant software for U.S. county tax offices and construction contractors with Node.js, GraphQL, MongoDB and Vue 3. Outside work, builds React and React Native apps, including Portal, an open-source coding-agent client with 815 GitHub stars.

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Experience

Full Stack Developer

Oct 2024 - Present

SkillRev · Full-time

ReGov - multi-tenant property-tax software used by several U.S. counties, with at least 1.9M historical bills and 1.17M receipts on record

- Work across the modules county staff use to import tax rolls, calculate taxes under each state's rules, issue bills, record payments and receipts, and run reports.
- Write Vue 3, Node.js/Apollo GraphQL and background-job code against a separate MongoDB database for each county.

Timbersite - multi-tenant construction-management software for contractors (completed), built on Express, GraphQL, MongoDB and Keycloak

- Built features contractors use to prepare estimates, schedule work, track time, and sync their books with QuickBooks.
- Wrote an MCP server that exposes Timbersite's tools to AI assistants and runs them through the app's existing services.

Full Stack Developer

Jan 2023 - Jan 2024

Zeza Technologies · Internship

XPower Boost - Xcellen's no-code machine-learning platform for life-sciences sales and marketing teams

- Built the drag-and-drop workflow UI where a dataset passes from one ML step to the next, so business users can run predictive models without writing code.

Technical skills

Frontend and mobile: TypeScript, JavaScript, React, Next.js, React Native, Expo, Vue 3

Backend and data: Node.js, Express, GraphQL, Apollo, Nitro, MongoDB, PostgreSQL, Prisma, pgvector, Redis, background jobs

Infra and integrations: Docker, AWS S3, Cloudflare R2, Socket.IO, Keycloak, MCP, Shopify, Wix, WooCommerce, QuickBooks

Projects

Bytepad

https://github.com/hosenur/bytepad

- Built Bytepad, a browser IDE, as a solo project in 2024. Users start a JavaScript project from a React, Vue, Next.js or Nuxt template, edit it in a Monaco editor, run commands in a terminal, and see the running app at its own subdomain.
- Wrote the Express API in TypeScript, behind Clerk auth, that copies a template in S3 for each new project and runs it in its own Docker container. Edits sync over Socket.IO to the container and S3, and a cleanup loop removes containers idle for 20 minutes.
- Routed each project's subdomain to its container with a Node.js reverse proxy that reads the port from Redis and forwards HTTP and WebSocket traffic. The in-browser terminal is Xterm.js, wired to the container through Docker's attach API.

Portal

https://github.com/hosenur/portal

- Built Portal, an open-source, mobile-first React app for running AI coding agents from a phone over Tailscale. Developers chat with an OpenCode, Codex or Claude session as replies stream in, mention files, switch models, and review Git diffs.
- Published openportal, an npm CLI that starts the agent server and web UI with one command, picks free ports, and lists or stops running instances. 815 stars and 69 forks on GitHub as of 11 Nov 2026.
- Reviewed and merged pull requests from outside contributors, including Windows fixes and per-session agent selection.

Sheet

https://sheet.yachts

- Built and deployed Sheet, a moodboard app where teams save visual references from X, Pinterest, Instagram, YouTube or other websites into shared boards, invite collaborators as viewers or editors, and upload files to Cloudflare R2.
- Added search that finds saved images by what they show, using vision-model analysis and pgvector in PostgreSQL.

Minwin

https://minwin.app

- Building Minwin, a React Native/Expo app in development where creators publish shoppable posts and short videos tagged with products from brands' Shopify, Wix or WooCommerce stores, and shoppers browse and save them.
- Connected all three store platforms through one adapter interface, and built the flow that moves each creator-attributed sale through refund and clearing states to payout, using Nitro, PostgreSQL/Prisma and background jobs.