

Muttakin Islam Hasib

Senior Full Stack Engineer

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SUMMARY

Senior Full Stack Engineer with 7+ years of experience building AI products, node-based workflow editors, and multi-tenant SaaS platforms with TypeScript, React, Next.js, Node.js, and NestJS. Shipped AI image and video tools on React Flow and Konva for ImagineArt (100M+ users) and payment, delivery, and pricing services for a multi-tenant cloud POS on PostgreSQL, Redis, and Kubernetes. Former Engineering Manager of 7 engineers at iGOT.ai; owns features end to end, from rendering performance to APIs and CI/CD, with remote teams in the US, Singapore, France, and Vietnam.

TECHNICAL SKILLS

Languages: TypeScript, JavaScript (ES6+), Python, SQL, HTML5, CSS3

Frontend: React, Next.js (App Router, Server Components), React Flow, Konva, HTML Canvas, Monaco Editor, xterm.js, ELK.js, TipTap, Three.js, React Three Fiber, GSAP, Framer Motion, Tailwind CSS, shadcn/ui, Radix UI

State & Data: Zustand, Redux, TanStack Query (React Query), React Hook Form, Zod, Axios

Backend: Node.js, NestJS, Express, FastAPI, REST APIs, OpenAPI, WebSockets, SSE, Socket.io, BullMQ, JWT, OAuth2, RBAC

Web Platform: Core Web Vitals, responsive design, accessibility (ARIA), i18n (next-intl), SEO (JSON-LD, hreflang)

Databases & ORMs: PostgreSQL, MongoDB, Redis, TypeORM, Prisma, Mongoose

AI & Workflows: LLM integration (GPT-4, Claude, Gemini, Llama 3), RAG, AI agents, multi-agent workflows, CrewAI

Cloud & DevOps: Docker, Kubernetes, Helm, GitHub Actions, Jenkins, Terraform, AWS (EC2, S3, EKS, RDS), NGINX, Vercel

Mobile & Desktop: React Native, Expo, Flutter, Electron

Architecture: Multi-tenant SaaS, microservices, event-driven systems, design systems

Tooling: Turborepo, Nx, pnpm, Bun, Jest, Git, GitHub, Sentry, PostHog, Figma, GrowthBook (feature flags)

PROFESSIONAL EXPERIENCE

ImagineArt

San Francisco, CA (Remote)

AI image and video creation platform with 100M+ users across web and mobile.

Senior Frontend Engineer

Feb 2026 – Sep 2026

- Architected and launched App Builder for ImagineArt Workflows, letting creators turn node-based AI workflows into publishable, monetizable apps with in-editor test runs and a guided publish flow.
- Built one-click “Build App” from any canvas selection, using a graph planner that derives the workflow’s entry inputs and final outputs from dependency and reachability rules, with a live preview on hover.
- Improved canvas rendering ~20% via zoom-aware image loading (6 resolution tiers) and identity-based memoization.
- Engineered reusable React canvas components adopted platform-wide: a config-driven action toolbar used by 45 node types, a resize system used by 30, and a floating results carousel with inertial panning used by 29.
- Built two AI image editors: Generative Fill (inpainting and outpainting with optimistic previews and mask reuse) and Compositor (Konva multi-layer editing with smart guides, blend modes, undo/redo, and AI text-layer extraction).
- Developed AI video and audio nodes, including Ad Maker (video ads from product, avatar, and template selections), Storyboard, Sound Effects, and Combine Video, and rebuilt the audio/video merger as a multi-track timeline.
- Delivered Creative Analyzer for enterprise clients, predicting ad effectiveness through a third-party scoring API, with a schema-driven test wizard, reports for 3 ad formats, and PDF/XLSX/CSV export.
- Top contributor to the web app: 2,152 commits in 7 months, the most of 33 contributors.

Hashmato

Singapore (Remote)

Cloud POS for F&B and retail operators, part of RBS’s hospitality portfolio (4,800+ properties, 35+ countries).

Software Engineer II

Sep 2025 – Mar 2026

- Architected a multi-provider payment gateway for a multi-tenant cloud POS, letting each tenant run Stripe, Omise, PayNow QR, or an in-house gateway behind one adapter interface, with HMAC-verified webhooks and BullMQ retries.
- Built a food-delivery integration service connecting POS menus and orders to Deliveroo, Grab, and Delivery Hero through one partner interface covering menu sync, order ingestion, store status, and OAuth2/HMAC webhooks.
- Designed the shared data-access layer behind 30+ domain modules of a database-per-tenant PostgreSQL/TypeORM platform, with nested-relation filters, transactional bulk upserts, streaming export, and queued Excel import.
- Built a context-aware pricing engine from scratch (brand, location, channel, and timezone schedules), then eliminated an N+1 bottleneck in its first version by batching per-item override lookups into one PostgreSQL query per page.
- Delivered a stored-value ordering backend (cart and combos, prepaid wallets, auto-recharge, ledgered refunds, partial cancellations) using PostgreSQL transactions and atomic Redis Lua queue numbering.

- Extended Kubernetes delivery for 7 NestJS microservices with Helm, helmfile, SOPS, and Traefik, and containerized 3 new services with multi-stage Docker builds and GitHub Actions CI/CD publishing to GHCR.

cocoding.ai

France (Remote)

AI app builder that turns natural-language prompts into full-stack SaaS applications.

Software Engineer (Part-time)

Nov 2024 – Feb 2026

- Architected and built the frontend from first commit to production in Next.js, React, and TypeScript (67% of commits, 73% of code still in production), defining the state (Zustand, TanStack Query), API, and edge-auth layers.
- Built a browser-based IDE around Monaco Editor: file explorer, multi-tab xterm.js terminal attached to Kubernetes pods, a live preview that animates each agent step while the app builds, and a Database Explorer with auto-laid-out ER diagrams (React Flow, ELK.js).
- Designed a real-time AI chat that turns prompts into full-stack apps, streaming multi-agent output over Server-Sent Events (SSE) and WebSockets into a live timeline of tool calls, file edits, and commands.
- Improved web performance by 80% through code splitting, dynamic imports, critical-CSS inlining, and React re-render profiling, reaching Lighthouse scores of 100 SEO, 100 Accessibility, 100 Best Practices, and 91 Performance.
- Engineered a reusable WebSocket layer powering 4 real-time channels (chat, code generation, files, terminal) with token refresh, auto-reconnect capped at 5 attempts, heartbeats, and tab-focus recovery.
- Localized the platform and MDX blog into 16 languages (next-intl), with JSON-LD, sitemaps, and hreflang SEO.

iGOT.ai

Vietnam (Remote)

No-code platform for building LLM-powered virtual assistants and workflow agents.

Engineering Manager

Sep 2024 – Mar 2025

- Managed and mentored a team of 7 engineers across 5 AI and Web3 products, and standardized containerized builds, CI/CD, and pre-commit quality gates.
- Architected and shipped a full-stack AI audit platform for a Vietnamese government client: a 6-stage multi-agent RAG pipeline, role-based access, and versioned AI results with a full audit trail.
- Architected and led [Workbook](#), a NotebookLM-style research app with multi-agent workflows, Google Docs/Sheets/Drive sources, and chart and Mermaid visualizations, built with Python, FastAPI, and PostgreSQL.
- Led delivery of Datalog (formerly Catalog), iGOT's platform for turning raw documents into agent-filled, AI-ready data tables: owned the project plan and ran architecture walkthroughs and code reviews.
- Led development of OpenWare, a Solana DeFi launchpad with AI token launches, AMM trading, and multi-wallet support.

Frontend Engineer

Mar 2024 – Sep 2024

- Architected the graph engine behind iGOT.ai Studio's no-code AI agent builder in React Flow, syncing canvas edges with backend execution order and adding auto-layout and optimistic node creation; it powers 23 task-node types.
- Developed the iGOT.ai mobile app with voice-based AI interaction in React Native, and published the [@igot.ai/react-native](#) npm package for embedding iGOT.ai assistants and workflows in third-party apps.
- Implemented a Siri-like voice assistant for EMDDI, a ride-hailing app, so riders set pickup and drop-off locations by voice; built a Flutter chat-bubble boilerplate to embed iGOT.ai agents in iHanoi.

SoftTribe

Bangladesh (Remote)

Senior Frontend Engineer (Part-time)

Jan 2023 – Mar 2024

- Led delivery of 10+ client projects built on React Flow node-based interfaces, most centered on AI integrations.

BeWeddy

United States (Remote)

Senior Software Engineer

Dec 2022 – Dec 2023

- Architected and built the full platform on Next.js, NestJS, and MongoDB, including personalized wedding websites.
- Integrated Stripe Connect to pay out gift-card and honeymoon funds to couples and venues, with a 3% venue commission.
- Built the [Evite BeWeddy](#) Canva app so couples design invitations in Canva and send virtual or physical cards.

Software Engineer

Jul 2021 – Dec 2022

- Built role-based authentication for couples, venues, and admins, and SMS/email/calendar invites with RSVP tracking.
- Integrated Tango gifting into the wedding registry and built Stripe subscription onboarding for venues and businesses.
- Developed a 12-month wedding checklist that venues can customize per couple; deployed the application on AWS EC2.

Self-employed

Remote

Freelance Full Stack Developer

2018 – Present

- Build full-stack e-commerce platforms (NestJS, React, Next.js) and node-based workflow builders (React Flow/xyflow).

EDUCATION

B.Sc. in Computer Science and Engineering, Uttara University, Dhaka, Bangladesh

In progress

Diploma in Computer Engineering, Model Institute of Science & Technology, Gazipur, Bangladesh (CGPA 3.96/4.00)