

SHUVO HALDAR

Senior Full-Stack & DevOps Engineer

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Open to full-time roles worldwide: remote, on-site, or relocation. Visa sponsorship welcome.

PROFESSIONAL SUMMARY

Senior Full-Stack & DevOps Engineer with 5+ years of full stack development, building and shipping production SaaS end to end: React/Next.js and Vue front ends, Node.js/TypeScript APIs, and the server infrastructure, CI/CD, and deployments I operate myself. Deep hands-on experience with payment systems (Stripe and Stripe Connect), real-time features (WebSockets), multi-tenant architecture, system design, and AI/LLM product features (RAG, tool calling, voice pipelines, MCP). Detailed case studies with architecture write-ups: shuvo.site.

SKILLS

Frontend: React, Next.js, Vue.js, TypeScript, JavaScript, Redux Toolkit, TanStack Query, Tailwind CSS, React Native (Expo)

Backend: Node.js, Express, Fastify, Hono, REST API development, GraphQL, Socket.IO, BullMQ, microservices, system design, Zod

Databases: PostgreSQL, MySQL, MongoDB, Redis, Prisma, Drizzle ORM

AI / LLM: OpenAI/LLM integration, RAG, tool calling, AI agents (MCP), pgvector, LLM cost tracking and evals

DevOps & Cloud: AWS (EC2, S3, Auto Scaling), Docker, Nginx, PM2, GitHub Actions CI/CD, Cloudflare, Linux VPS operations, OpenTelemetry / Prometheus / Sentry

Payments: Stripe (Payments, Connect, manual capture, webhooks, subscriptions)

Testing & Tools: Vitest, Playwright, unit/integration testing, Git, GitHub, Bitbucket, Turborepo/pnpm monorepos

WORK EXPERIENCE

Full-Stack Developer & DevOps Engineer | Nextbit, Australia (remote)

03/2026 - Present

- Lead engineer on **FeedbackRun**, a product-feedback SaaS in production: Next.js 16 + GraphQL/Fastify + PostgreSQL/pgvector monorepo with AI triage, an embeddable Preact widget (26 KB CI-enforced budget), Stripe billing, and a built-in MCP server so AI agents can operate the product. ~117 unit/integration tests and Playwright e2e run in CI.
- Sole developer of **Laundry Near Me**, an "Uber-for-laundry" marketplace: one Fastify/TypeScript API serving three React Native apps and an admin console, with authorize-at-booking / capture-at-weigh-in payments (Stripe manual capture) and fully automated supplier settlements via Stripe Connect.
- Built **Krey**, a multi-tenant creator-commerce platform: branded storefronts on creators' own domains (Cloudflare for SaaS with automated DNS + SSL), signed-URL protected content delivery, and a tiered subscription billing engine with proration and idempotent Stripe webhooks.
- Built **Agency Portal**, a role-aware agency-operations SaaS (CRM, tasks + time tracking, invoicing, magic-link client portal, Stripe pay-to-onboard). Authorization is proven by 10 executable proof suites that drive the live server.
- Own the **DevOps** side: Docker deployments with health-checked auto-rollback, Nginx/PM2 on VPS, nightly encrypted backups with automated restore tests, and observability via OpenTelemetry, Prometheus, and Sentry.

- Owned the full JavaScript/TypeScript surface of an omnichannel customer-engagement SaaS (WhatsApp, Messenger, Telegram, X (Twitter), email, SMS, web chat) across 5+ apps: the flagship Vue chat application (~600 components), a React ad-automation console, Node.js microservices, a Next.js booking app, and the React Native agent app.
- Built a **node-based visual chatbot flow builder** end to end: a drag/zoom canvas of typed nodes (LLM reply, payment, booking, branching) plus the Node.js service that compiles flow graphs into deployed Botpress bots.
- Introduced the SaaS **user onboarding system**, reducing onboarding time for the customer success team by **30%**.
- Shipped a real-time **voice-AI pipeline** (streaming Google STT to OpenAI to MiniMax TTS, with barge-in) and multi-tenant WhatsApp session management across official (Meta Cloud API, 360Dialog, Twilio) and session-based (Baileys) providers.
- Delivered the **LLM chatbot suite** (RAG ingestion, tool calling, cost tracking, evaluation harness), Facebook/Google ad-campaign automation, and a conversational-commerce module with a customer storefront, merchant back office, and Stripe checkout inside the chat.

- Developed a subscription SaaS for **contextual internal linking** using NLP (DistilBERT), Django, and Next.js, automating internal-link generation and WordPress publishing via API.
- Built an **article-to-video** processing application with FFmpeg and Socket.IO, generating narrated video summaries of blog content with live progress updates.
- Developed eCommerce order/product management dashboards (React, Redux, Node.js, MongoDB) and migrated production WordPress sites to the MERN stack.

SELECTED PERSONAL PROJECT

- Architected and built a **microservices platform** solo: independent Express/TypeScript services, each with its own PostgreSQL database, kept in sync over Redis Streams (consumer groups, no message loss).
- Includes a full **exam LMS** scoring results the way 24 real exams do (IELTS bands, SAT scaled, JEE percentile and more), a Socket.IO real-time notification backbone, and a two-level **ML content-moderation engine** (15+ transformer models + faster-whisper), plus a Next.js web app and two Expo mobile apps, all deployable to a single VPS.

Full case studies and architecture write-ups: shuvo.site/#work

EDUCATION

Dean's Award for outstanding academic performance.

LANGUAGES

English (professional working proficiency, IELTS 6.5), Bengali (native), Hindi (basic)