

Paarangat Rai Sharma

Software Engineer | Full-Stack & AI Products

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Experience

Software Engineer | Ambra

Jun 2026 – Oct 2026

AI workflow automation for insurance operations

Full-time

- Built an **LLM regression-testing system in Go**: replayed frozen production inputs through the real workflow engine in isolated PostgreSQL databases; added golden fixtures, versioned judging, human review and candidate regression gates.
- Replaced a third-party browser automation workflow with a **native Go HTTP integration**: implemented Redis-cached sessions, TOTP authentication, export polling and CSV ingestion, eliminating a webhook round trip.
- Built **durable document-processing jobs on Google Cloud Tasks** with an idempotent task ledger, per-run uniqueness, bounded retries and stale-task recovery; verified failure and concurrent-delivery handling.
- Engineered **Retell voice agents** with custom phone-menu navigation, structured result extraction, webhook processing and bounded retries; built a Next.js operations console for queues, call costs and quality review.
- Shipped an **external-data verification workflow** across Go APIs and Next.js: parsed insurer responses, resolved coverage, triggered follow-up checks and delivered operator review and document-generation flows.

Early Engineer | JettyAI

Mar 2026 – May 2026

Consumer AI wellness app [live on the App Store](#)

Contract

- Solo-built the core product from APIs to App Store across **Next.js, NestJS/Supabase, Expo iOS and admin tooling**; owned UI, APIs, database and AI-workflow integration. Product reached **100+ users** by departure.
- Instrumented AI interactions and product funnels with PostHog; worked directly with the founder and AI team to scope features, prioritize the roadmap and ship releases.

Founding Engineer | Valtrium

Dec 2025 – Jun 2026

Consumer iOS apps, from concept through App Store approval

Internship

- Built **6 iOS apps in three months**, with **736+ downloads** across the portfolio and approximately 7-day build-to-approval cycles; live apps include Siddhartha, Kathavani and WatchIQ.
- Integrated RevenueCat subscriptions, PostHog, Apple/Google authentication, ElevenLabs and Cloudflare R2; built WatchIQ's automated watch-listing pipeline and SEO site, driving **~1,000 organic clicks/month**.

Software Engineer | Docwise

Dec 2025 – Jun 2026

AI transcription and document-generation product · docwise.co.uk

Internship

- Built the **Manifest V3 Chrome extension** as sole engineer, with offline-first consultation recording, IndexedDB persistence and a retryable background upload queue resilient to browser closures and network loss.
- Shipped Next.js/NestJS/PostgreSQL features including JWT authentication, patient consent and a soft-delete recycle bin; restructured React state and context to resolve re-render issues during recording.

Software Engineer | HyberX

Jan 2026 – Feb 2026

Real-time AI debugging desktop app · hyberx.ai

Internship

- Built multi-model LLM routing with fault tolerance and structured-output validation at **sub-3-second end-to-end latency**; split a 2,100-line orchestrator into **8 DI modules with 304 Vitest tests**.
- Delivered the Electron app, including a frameless overlay, Zod-validated IPC across **40+ channels** and macOS notarization.

Technical Skills

Languages: TypeScript, Go, Rust, Python, SQL · **Product:** React, Next.js, NestJS, React Native/Expo, Electron

Backend: PostgreSQL, SQLite, Redis, Supabase, Google Cloud Tasks, Cloudflare R2/Pages, REST, WebSocket, SSE

AI & delivery: LLM tool use, multi-model orchestration, evals/replay, Retell, ElevenLabs, PostHog, Vitest, RevenueCat

Selected Products

Univis (Next.js, Supabase, Gemini): Built an AI vision-board SaaS end-to-end: authentication, Dodo Payments, Cloudflare R2 image storage, user dashboards and a versioned multimodal generation pipeline.

UserHug (Next.js, Supabase, Turnstile): Built a lightweight, single-line embeddable feedback widget, centralized review dashboard and submission storage; integrated Cloudflare Turnstile for spam protection.

Build Ladder (Next.js, GitHub API): Built GitHub OAuth onboarding, daily contribution sync, rankings across five time windows, streak tracking and a public trending-repository feed.

Filterslop (TypeScript, Chrome MV3, Next.js): Built a YouTube recommendation filter with user-defined rules, per-video explanations, restore controls, focus sessions and a local dashboard.

Education

B.Tech, Computer Science (AI) | Bennett University

Expected Aug 2027

CGPA: **9.00/10** · Dean's List · 3x Hackathon Winner (ResQ: 2nd of 147 teams)