

Raj Jayavant

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EDUCATION

IIT BHUBANESWAR

BTech in Mechanical Engineering & MTech in Thermal Science

Bhubaneswar, India

2018 - 2023

EXPERIENCE

AUGUST AI

Bengaluru

Founding Engineer

Oct '2024 – Present

Responsible for building and scaling the company's core consumer health app from **0 to 1 Million** downloads, working across mobile, backend, web, cloud infrastructure, and AI-service integrations.

- Architected and shipped core product experiences across mobile and web - AI chat, nutrition and meal tracking, EHR integration, onboarding, and notifications - driving ~ **51% month-1 retention** and a durable **24% 12-month** plateau across a 1M+ user base, well above typical consumer-app benchmarks.
- Owned cloud security, infrastructure, and end-to-end deployment across **AWS** and **Azure** to healthcare-grade (**SOC 2 / HIPAA-ready**) standards - architecting authentication, environment isolation, rate-limiting, secrets management, and full-stack observability, and building the **CI/CD** pipelines that shipped the platform's production microservices from commit to production.
- Recruited, mentored, and managed a **3-4 person frontend team**, scaling engineering from founder-led development into a structured **product-engineering** function across mobile and web - establishing the processes, code standards, and review culture that let the team ship quickly and onboard new hires with minimal ramp-up.
- Built and scaled the company's **web growth engine** - landing pages, health library, content infrastructure, and web app surfaces serving **500K+ monthly visits** - engineered for SEO, fast Core Web Vitals (**sub-2s mobile LCP**, TTFB under 400ms), localization across **37+ languages**, and conversion-quality UX.

BRANE ENTERPRISES

Bengaluru

Software Developer

May 2023 – Sept '24

- Developed Site Builder, a tool for making cross-platform no-code applications to convert designs directly to applications, including cross-device support using **Flutter & Node.js**.
- Reduced screen import times by **85%** and achieved **50% reduction** in load times for each screen, while improving app responsiveness across various devices to significantly enhance user experience

PROJECTS

METRONOME LOGGER

2024

- Created a metronome with a logging system using **Next.js**, enabling musicians to track their BPM progress over time and enhancing the utility of the metronome for instrumental practice.
- Delegated sound scheduling tasks to **Web Workers**, ensuring rock-solid timing accuracy by pre-scheduling clicks and overcoming the limitations of JavaScript's single-threaded nature.

SKILLS & INTERESTS

Technical: TypeScript · Python · React Native · Next.js · Node.js · PostgreSQL · Redis · AWS [Lambda, ECR, S3, SES, SQS, Secrets Manager, CloudWatch, EC2] · Azure · Nginx · PM2 · Zustand

AI / ML: LangChain · RAG [Retrieval-Augmented Generation] · Vector Search [Qdrant] · Embeddings · Agentic Function-Calling · AI Guardrail · Prompt Engineering

Engineering: System Architecture · Microservices · Full-Stack Development · Multi-Tenant Systems · Cloud Security · Auth [JWT / OIDC / OAuth] · Rate Limiting & Abuse Protection · Observability & Monitoring [Sentry, CloudWatch] · Web Performance Optimization · SEO