

Hayyan Hajwani

Mumbai, India | hayyan.connect@gmail.com | +91 70217 27327 | [LinkedIn](#) | [GitHub](#) | [LeetCode](#)

FULL-STACK ENGINEER AND TECH LEAD: PLATFORMS, MOBILE, INFRASTRUCTURE

Full-stack engineer who ships production systems and runs the infrastructure under them. Tech Lead at PlanetPulse, leading a distributed team of six remotely across Austria and India, with three live product surfaces and a 20+ service self-hosted estate replacing managed hosting and per-seat software. Also delivered a part-time consulting contract on a connected-hardware platform.

SKILLS

Languages: TypeScript, JavaScript (ES6+), Python, Java, SQL

Backend: NestJS, Node.js, Express, FastAPI, Drizzle, Prisma, SQLAlchemy, REST APIs, WebSockets, microservices

Frontend and Mobile: React, Next.js, React Native, Expo, Tailwind CSS, shadcn/ui, Zustand

Databases and Storage: PostgreSQL, MySQL, MongoDB, Redis, Qdrant, Pinecone, Amazon S3, MinIO, Backblaze B2

Infrastructure: Docker, Docker Compose, Dokploy, Traefik, Linux VPS administration, Amazon Web Services (EC2, S3, RDS), Cloudflare (DNS, CDN, email authentication), GitHub Actions CI/CD, Logto single sign-on, self-hosting and backups

AI and ML: Large language model (LLM) and retrieval-augmented generation (RAG) pipelines, vector search and reranking, LLM evaluation (DeepEval), OpenRouter, Gemini, scikit-learn, TensorFlow, OpenCV, MediaPipe, NumPy, Pandas

WORK EXPERIENCE

PlanetPulse

05/2026 - Present

Tech Lead

Remote (Austria and Noida)

- Lead a **distributed team of 6 engineers** across backend, mobile and web: converting business requirements into a scoped roadmap, running sprint and feature planning, setting architecture direction, and reviewing every merge.
- Architected and shipped **Notch**, a platform manufacturing plants use to report and resolve workplace safety hazards before they cause injuries: a NestJS API, a Next.js console for safety officers and an Expo/React Native app for plant workers, all three live in production.
- Own infrastructure end to end: run **20+ production services across three Linux servers** on open-source Dokploy and Traefik rather than a managed cloud platform, with DNS, content delivery and email authentication on Cloudflare and offsite backups to Backblaze B2.
- Replaced paid software subscriptions with a self-hosted open-source stack I designed and run (project management, wiki, vault, support, finance, HR/payroll), **removing per-seat licence cost**.
- Built the automated build-and-release pipeline in GitHub Actions, covering type checking, 57 unit tests and 16 integration suites against a real database, plus release workflows that publish the mobile app to the **Apple App Store and Google Play**.
- Built the deadline-escalation engine that warns managers before a report breaches its response target, and an **LLM translation pipeline** with provider fallback across OpenRouter and Google behind **7 languages including right-to-left Arabic**.
- Drive an **AI-assisted delivery workflow** across the team, using specification-first development with Claude Code, agent-readable project conventions and automated review gates. That is how six people ship and operate three production surfaces.

Oracura Solutions Pvt. Ltd.

07/2026 - 09/2026

Technical Consultant (Part-time, Contract)

Navi Mumbai, India

- Owned a connected oral-care mobile platform end to end**, from roadmap and API architecture through development, releases and the **self-hosted infrastructure it runs on**.
- Reverse-engineered the manufacturer's undocumented **Bluetooth Low Energy (BLE)** device protocol into a typed React Native SDK with **120 unit tests**, letting the app team build and test against real device behaviour without the hardware in hand.

Schbang

11/2025 - 05/2026

AI Software Engineer

Lower Parel, Mumbai

- Built **AssetMind** on FastAPI, PostgreSQL, Docker and Amazon Web Services: a search platform that lets brand teams find creative assets by describing them in plain English instead of digging through folders, using multimodal embeddings, vector search, query rewriting and reranking, streamed live to the browser.
- Owned the **FastAPI backend for Second Brain**, Schbang's internal AI assistant: RAG over per-brand Pinecone namespaces, LLM routing across ~9 models via OpenRouter and streaming chat across **200+ brand playbooks**.
- Built **secondbrain-eval** on DeepEval, scoring live RAG responses on **7 metrics** (faithfulness, hallucination, relevancy) with an LLM judge via a zero-latency sampling hook; added per-user memory (mem0), **8 RAG latency optimizations** and a LangGraph PPT workflow.

CometChat

03/2025 - 10/2025

Trainee Engineer

Chembur, Mumbai

- Built a WhatsApp-style reference app in React.js on CometChat's real-time messaging SDK for prospect demos, extended the UI Kit with custom components, and wrote customer implementation guides.

PROJECTS

- **dokploy-selfhost-starter**: open-source patterns for self-hosting a company's products and internal tools. DNS and email authentication, monorepo Dockerfiles, Compose, backups, and the production pitfalls missing from vendor docs.
- **chat-app-microservices**: real-time chat as three Node.js services behind a Next.js client: OTP login queued over RabbitMQ, Socket.io presence and typing, Redis and MongoDB.

EDUCATION

Terna Engineering College, Nerul | B.E., Artificial Intelligence and Data Science | CGPI 8.74 / 10 06/2025