

MADAN HEGDE

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EXPERIENCE

Pagarbook — Workforce Management Platform (100K+ Businesses)

SDE 3 · Sep 2022 – Present · Bengaluru

- Led frontend architecture for an HRMS platform serving **100,000+ businesses**, owning the full web stack across workforce hierarchy, leave management, shift scheduling, overtime tracking, and payroll modules.
- Architected and executed migration from Create React App to **Next.js** with Docker/NGINX deployment, improving core web vitals by ~20% and reducing build times by 30% via Webpack-to-Vite migration.
- Led a team of 5 frontend engineers in rebuilding the payroll system (React/Next.js) with automated TDS calculations — achieved **80% user adoption within 1 month** and 98% payroll accuracy.
- Built a reusable **UI component library** (Tailwind CSS + Radix UI) adopted across the platform, standardizing design language and reducing new feature development time.
- Established team-wide coding standards, PR review guidelines, and linting rules — reduced code review iterations and cut reviewer time by **75%**.

Hearly — AI Knowledge Infrastructure (Founder)

Founder & Engineer · 2025 – Present · Bengaluru

- **Hearly Meeting Copilot** (app.hearlyhq.com) — Built an AI-powered meeting intelligence tool that generates structured meeting summaries, extracts action items and tasks, and enables **interactive Q&A over meeting transcripts** using LLM-powered retrieval.
- **Hearly Knowledge Base** (knowledge.hearlyhq.com) — Built a RAG-based knowledge platform that transforms documents, audio, and video into structured, queryable knowledge bases with **vector search (pgvector)**. Shipped an embeddable NPM widget (`@hearly-knowledgebase/widget`) for third-party AI Q&A integration.
- Built both products end-to-end: Next.js web apps, React Native mobile app, Node.js/NestJS backend, PostgreSQL + vector storage — currently serving **paying customers**.

Scenes — Social Platform

Frontend Engineer · Apr 2022 – Aug 2022 · Bengaluru

- Optimized React app performance — reduced load times by **30%+** through code-splitting, dynamic imports, tree shaking, and memory leak resolution.
- Built a gamified leaderboard system that increased user engagement by **25%**; integrated Stripe-based payment system enabling creators to monetize events, driving **2x month-over-month creator onboarding**.

Digiyogi Technologies — Tech Startup (Co-founder)

Co-Founder & CTO · Aug 2020 – May 2022 · Bengaluru

- Co-founded and built the technical foundation for a software consultancy — designed, developed, and shipped **production applications** including e-commerce platforms and mobile apps (React, Node.js, Firebase, React Native).
- Mentored 6 junior developers who were subsequently placed at companies including Infosys and Oracle.

Learnyst — Ed-Tech Platform

Frontend Engineer · Jul 2019 – Jun 2020 · Bengaluru

- Built and optimized a discussion dashboard using **virtualization**, scaling to support **100,000+ active users** with real-time WebSocket-powered commenting.
 - Led migration of the learner app from Backbone.js to Next.js; implemented a user rating system in React Native that boosted Play Store rating from **3.5** → **4.5+**, driving a 20% increase in user acquisition.
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TECHNICAL SKILLS

Languages	JavaScript, TypeScript
Frontend	React, Next.js, Redux, Zustand, Tailwind CSS, Radix UI, HTML/CSS
Backend	Node.js, NestJS, PostgreSQL, Firebase, REST APIs
AI / Data	RAG Pipelines, Vector Databases (pgvector), LLM APIs (OpenAI, Anthropic), Embeddings
Infrastructure	Docker, NGINX, CI/CD Pipelines, Vite, Webpack, Git

PROJECTS

Hearly Meeting Copilot

- AI meeting intelligence — generates summaries, extracts tasks, interactive Q&A over transcripts — app.hearlyhq.com

Hearly Knowledge Base

- AI knowledge infrastructure with RAG + vector search, plus an embeddable NPM widget (*@hearly-knowledgebase/widget*) for third-party AI Q&A — knowledge.hearlyhq.com
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EDUCATION

Bachelor of Vocation · JSS College of Arts, Commerce and Science, Mysore · 2016 – 2019