

# Hiren Limbasiya

Tech Lead, Full-Stack Engineer

[limbasiyahiren187@gmail.com](mailto:limbasiyahiren187@gmail.com) | +91-99250-64146 | Bengaluru, India | [LinkedIn](#) | [GitHub](#) | [Portfolio](#)

## PROFESSIONAL EXPERIENCE

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**Tech Lead, Full-Stack Engineer**, Zino Technologies, Bengaluru

January 2023 – Present: Software Developer, Senior Developer (Jan 2025), Tech Lead (Jun 2026)

### Frontend

- Architected and led the front end of a **no-code builder platform**: workflows, forms, and visual blocks (tables, profile cards, charts, kanban boards, calendars) organized into screen modules.
- Built an **AI agent builder** to assemble and live-test agents (instructions, tools, knowledge).
- Built a **Figma-like layout editor** on React and raw DOM events: nesting, resizing, snapping, and alignment, with no drag-and-drop library.
- Re-architected the editor onto a normalized data model and merged **six editor surfaces into one renderer** shared with the live app, so previews match production.
- Created **Master Data Management (MDM)** software with a visual pipeline builder for API integrations, business rules, validation, ETL transforms, and third-party webhooks.
- Authored an Excel-like **formula language** in JavaScript and Go, with dependency and cycle analysis and identical evaluation on client and server.
- Built a **spreadsheet-style data grid**: 12 cell types, keyboard navigation, and copy/paste, reusing the platform's standalone field components.
- Developed **reusable modules** for editing, previewing, and template access on a shared config model across screens, workflows, and forms.
- Kept **10K+ row dashboards** smooth with virtualization, memoization, lazy loading, code splitting, debouncing, and throttling.
- Managed cross-module **UI state** with Redux Toolkit, Context API, and custom hooks, split by update frequency to avoid needless re-renders.
- Built a **custom hook** that deep-diffs current vs. saved config to flag unsaved changes.
- Published **internal NPM packages** (forms, validation, charts, tables) used across internal tools.

### Backend

- Designed a multi-tenant, multi-version **workflow runtime**: deployed versions coexist and version-pinned in-flight jobs let teams publish with **zero downtime**.
- Built an **AI creation workflow** on OpenAI GPT that turns a prompt into a deployed app (schema, backend models, frontend configs), cutting setup time to **under 15 minutes**.
- Built the **AI agent runtime**: multi-turn tool calling, RAG, sub-agents, human-in-the-loop pauses.
- Built a provider-agnostic **LLM gateway** over Claude, Gemini, and OpenAI with central cost tracking; services swap models with no redeploy.
- Engineered concurrent Go across **10+ microservices**: goroutines, channels, worker pools, Kafka consumers (lock-free buffer), and NATS JetStream for background/agent jobs.
- Built modular **CRUD query pipelines** in Go: compound filters, multi-field sorting, cursor pagination, and permission-scoped access to nested resources.
- Built the **MDM runtime**: pipeline CRUD, ETL, and webhook execution for third-party integrations.
- Implemented **RBAC** (Super Admin, Admin, Moderator) and multi-tenant isolation: each tenant's access is re-resolved from the database on every request.
- Ran **background cron jobs** for reconciliation and cleanup as an auditable system user.

## PROJECTS

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### Field Sales Platform

*Go, Fiber, PostgreSQL, React 19, React Native (Expo), JWT*

- B2B field-sales platform (orders, CRM, daily visit planning, GPS attendance, leave/HR, analytics) across **8 roles**. One Go REST API serves both a React web dashboard and a React Native mobile app, with OTP-based auth. Production-deployed.

### Community Forum

*Go, Fiber, WebSocket, Next.js, MongoDB, TypeScript*

- Real-time chat & discussion platform with live rooms and threads over WebSocket, with a modular Go backend.

### Factory Ticket Management

*Go, Fiber, PostgreSQL, JWT, Cron*

- Factory service-request system on a role-based finite-state-machine workflow (shop floor to engineers to maintenance head to factory head), with dual approvals and an hourly auto-close cron job.

### Clinical Trial Dashboard

*React, Redux Toolkit, Node.js, Express, MongoDB, Recharts*

- Full-stack analytics dashboard built on MongoDB aggregation pipelines over an index-tuned schema, behind a hardened Express API.

## EDUCATION

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### Bachelor of Engineering

*2016 – 2020*

S.S.A.S.I.T, Surat

### Full Stack Web Development (MERN)

*Mar 2022 – Dec 2022*

Newton School, Bengaluru

## SKILLS

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**Frontend:** React, Next.js, React Native (Expo), TypeScript, JavaScript, Redux Toolkit, Context API, Custom Hooks, Tailwind CSS, Material UI

**Backend:** Go (Golang), Fiber, Node.js, Express.js, REST APIs, WebSocket, Microservices, Goroutines & Concurrency, Cron Jobs, JWT / RBAC

**Data & Messaging:** PostgreSQL, MongoDB, MySQL, NATS JetStream, Kafka, ETL Pipelines

**AI & LLM:** Claude, Gemini, OpenAI GPT, LLM Gateway, RAG, MCP (Model Context Protocol), AI Agents

**DevOps / Tools:** Git, GitHub, Docker, Vercel, Netlify

**Engineering:** Performance Tuning, Virtualization, State Machines, Multi-tenancy, Internal Component Packages

Last updated: October 2026