

# Karan Mavadiya

Full-Stack Product Engineer (AI-Augmented)

+91 8799422599 | [karanmavadiya38@gmail.com](mailto:karanmavadiya38@gmail.com) | [linkedin.com/in/karan9m](https://www.linkedin.com/in/karan9m) | [github.com/karan9m](https://github.com/karan9m) | [mekaran.vercel.app](https://mekaran.vercel.app)

## SUMMARY

High-velocity Product Engineer specializing in shipping production-grade B2B SaaS from zero to one. Leverages an AI-augmented workflow (Cursor, Claude, Copilot, V0) to deliver features **3× faster** than standard cycles – compressing 2-week sprints into 2 days. Built and launched AiLeadz – a live B2B platform with 250M+ verified contacts – as **sole architect and primary engineer**. Seeking to help early-stage founders ship their “Zero to One” products remotely.

## TECHNICAL SKILLS

**Languages:** TypeScript, JavaScript, Python, Java, Go, C/C++, SQL, HTML/CSS

**Frontend:** React 19, Next.js 15 (App Router), Tailwind CSS, Framer Motion, GSAP, shadcn/ui, V0

**Backend:** Node.js, FastAPI, Flask, REST API Design, OpenAI API, OpenRouter API, Convex

**Databases:** PostgreSQL, Supabase (RLS, Edge Functions), MongoDB, MS-SQL, Vector Databases (pgvector)

**AI Engineering:** LLM Integration (OpenAI / Anthropic), LLM Orchestration (LangChain), Prompt Engineering, Agentic Workflows, RAG Pipelines, Vector Search

**Tools & Platforms:** Git, Docker, Vercel, AWS, Google Cloud Platform, Cursor IDE, NeoVim

**Concepts:** System Architecture, MVP Delivery, OOP, REST API Design, Agile, CI/CD

## EDUCATION

### LJ University

Bachelor of Engineering – Computer Science (Lateral Entry via Diploma)

Ahmedabad, India

2024 – 2027

### LJ University

Diploma – Computer Science

Ahmedabad, India

2022 – 2024

## EXPERIENCE

### Full-Stack Product Engineer (Core Team)

Sept 2025 – Present

*SpeedMVPs*

*Remote*

- **Sole architect and primary engineer** for all high-complexity platform features; independently owned system-design decisions, DB schema choices, and API contracts with no senior oversight.
- Optimized development lifecycle by **60%** (from 2-week sprints to 3-day deployments) by architecting an AI-augmented CI/CD workflow using Cursor and Claude – increasing deployment frequency to multiple releases per week.
- Built and launched AiLeadz end-to-end – a B2B lead-gen SaaS with 250M+ verified contacts, AI-driven lead scoring, automated cold-email campaigns, and real-time analytics; featured on 47+ platforms with a 4.9/5 rating.
- Engineered **MaterialMate (M-Mate)**, an AI construction estimator integrating the Qwen2.5-VL vision model, AS/NZS 3500 plumbing rules engine, and PostgreSQL SKU matcher – achieving 10–15% accuracy delta vs. licensed plumber benchmarks. Stack: Python, FastAPI, Next.js 15, Supabase, OpenRouter API.
- Shipped MyClassGPT, an LLM-driven EdTech platform with a RAG pipeline (LangChain + pgvector) delivering NEP-aligned learning with citation-backed answers in under 1.5 seconds.
- Integrated Magic Dev AI tooling into team workflows, reducing code-review overhead and accelerating developer onboarding.

### Software Developer Intern

2023 – 2024

*CodeBeautify*

*Ahmedabad, India*

- Optimized high-traffic developer utilities (JSON Formatter, XML Viewer, SQL Beautifier) used by thousands of developers globally; reduced page load times and revamped UI/UX to lower drop-off rates.

## PROJECTS

**SwiftUI – UI Component Library** | *TypeScript, Next.js 15, React 19, Tailwind CSS, Framer Motion, GSAP, shadcn/ui*

- Architected 100+ production-ready UI components for React 19 and Next.js 15 with dark/light theming, WCAG compliance, tree-shaking, and GSAP/Framer Motion micro-animations; publicly deployed for open community use.

**SmartNotes – AI Note-Taking App** | *TypeScript, OpenAI API, LangChain, pgvector, Convex, Tailwind CSS*

- Full-stack collaborative note app with real-time multi-user editing, GPT-driven summarization, and vector-based semantic search via LLM Orchestration (LangChain + pgvector); serverless real-time sync powered by Convex.