

Karan Mavadiya

Full-Stack Product Engineer — Product Engineer

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SUMMARY

High-velocity Full-Stack Product Engineer specializing in shipping production-grade B2B SaaS and AI-driven platforms. Currently contributing to Superkalam (YC-backed edtech), architecting web learning platform, dashboards, leaderboards, and current affairs module. Leverages AI-augmented workflow (Cursor, Claude, Copilot) to accelerate development cycles by 60% – consistently shipping features in 2 days vs. standard 2-week sprints. Previously built and launched AiLeadz (250M+ verified contacts platform), MaterialMate (AI construction estimator with Qwen2.5-VL), and MyClassGPT (LLM-driven EdTech with RAG pipelines). Proven track record as sole architect and primary engineer on mission-critical systems with zero senior oversight. Seeking to build scalable products with early-stage teams remotely.

TECHNICAL SKILLS

Languages: TypeScript, JavaScript, Python, SQL, HTML/CSS
Frontend: React 19, Next.js 15 (App Router), Tailwind CSS, Framer Motion, GSAP
Backend: Node.js, FastAPI, Flask, REST API Design, OpenAI API, OpenRouter API
Databases: PostgreSQL, Supabase (RLS, Edge Functions), MongoDB, pgvector
AI Engineering: LLM Integration (OpenAI/Anthropic), LangChain, Prompt Engineering, RAG Pipelines, Agentic Workflows
Tools & Platforms: Git, Docker, Vercel, AWS, Cursor IDE, Convex

EDUCATION

LJ University Ahmedabad, India
Bachelor of Engineering – Computer Science (Lateral Entry via Diploma) 2024 – 2027
LJ University Ahmedabad, India
Diploma – Computer Science 2022 – 2024

EXPERIENCE

Product Engineering Intern April 2026 – Present
Superkalam Remote

- Architected and engineered end-to-end features for YC-backed edtech platform; independently owned feature development, testing, and deployment across all product layers.
- Built comprehensive Learn module enabling interactive content delivery, progress tracking, personalized learning paths, and real-time engagement analytics.
- Engineered leaderboard system and dashboard infrastructure with real-time metrics, user performance visualization, and gamification analytics integrated into core platform.
- Developed Current Affairs module featuring content categorization engine, curation workflows, and seamless integration with main learning platform.
- Collaborated cross-functionally with product and design teams translating requirements into scalable, maintainable code; iterated based on user feedback and performance data.

Full-Stack Product Engineer (Core Team) Sept 2025 – April 2026
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 4.9/5 rating.
- Engineered **MaterialMate (M-Mate)**, an AI construction estimator integrating 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 LangChain plus pgvector RAG pipeline 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.

PROJECTS

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

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

SmartNotes – AI Note-Taking App | *TypeScript, Next.js, OpenAI API, LangChain, pgvector, Convex*

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