

Kabir Jaipal

FULL STACK AI ENGINEER

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RE: Application for Full Stack AI Engineer – Kabir Jaipal

Dear Hiring Team,

I am writing to express my enthusiastic interest in joining your team as a **Full Stack AI Engineer**. With 2+ years of production experience engineering web applications, scalable backend microservices, and Retrieval-Augmented Generation (RAG) pipelines, I specialize in the full lifecycle of AI-integrated products. My core stack centers on **Next.js (React 19), Node.js, FastAPI (Python), PostgreSQL (pgvector), Redis, and Docker**.

Throughout my roles at **McFadyen Digital** and **Slashash Tech LLP**, I engineered high-throughput web applications, AI workflows, and automated data pipelines:

- Contributing to the full-stack architecture and feature development of the AI Best Practices for Commerce platform using Next.js and React.
- Implementing AI tool integrations, LLM workflows, and emerging commerce use cases to streamline digital commerce value chains.
- Built internal task management systems and reporting dashboards using Node.js/Express and PostgreSQL, enabling task assignment workflows and optimizing SQL queries to cut load times by **45%**.
- Engineered an AI-powered presentation builder with Tiptap editor to generate slide decks from prompts, building a Puppeteer export pipeline to export PDF presentations in under **15** seconds.

Beyond enterprise client systems, I actively architect production-grade AI systems with high reliability. Through my open-source projects, I designed **ForgeAI** (a RAG search platform using pgvector and BullMQ/Redis async queues keeping API response times below 200ms) and **PulseGuard** (a real-time health monitoring system built with FastAPI, Redis Pub/Sub WebSockets, and LLM diagnostics cutting DB read overhead by 85%).

I leverage modern agentic developer tools (Claude Code, Cursor, Antigravity, GitHub Copilot) daily for rapid architecture planning, prompt engineering, automated testing (PyTest, Jest), type safety (TypeScript, Zod), and continuous deployment. I would welcome the opportunity to discuss how my full-stack development speed, AI API integration expertise, and execution velocity can contribute immediately to your product roadmap.

Sincerely,

Kabir Jaipal

Full Stack AI Engineer