Aditya Ghanashyam Ladawa

Braunschweig, Germany | +49 15510 030840

adityaladawa12@gmail.com | GitHub | LinkedIn

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Beam

Application: AI Agent Forward Deployment Engineer

My work philosophy centers on system ownership, automation, and scalable execution. I treat code as an asset and inefficiency as a structural failure, optimizing cognition for throughput. The AI Agent Forward Deployment Engineer role at Beam aligns with my drive to build and deploy autonomous, high-impact AI solutions that transform business operations.

- I specialize in building self-replacing agentic systems using LangGraph, LangChain, and LangSmith. My approach favors deterministic multi-agent workflows with explicit state control and persistent execution, as demonstrated by the AI-Powered Reels Pipeline. This system autonomously scripts, edits, captions, and publishes character-based content, reducing production time by 20x and cost to <$0.15/video, achieving over 500K views in under 30 days. This experience directly translates to designing and refining AI-driven workflows and prompt creation.

- My backend engineering stack, centered on Python and FastAPI, ensures robust, production-ready deployments. I maintain tight control over memory and pipeline flow in RAG-based architectures using Qdrant or FAISS. This foundation provides a deep understanding of API connections and system integration, crucial for supporting project delivery and translating complex process requirements into agent logic.

- I approach problem-solving by analytically breaking down business processes and translating them into automated workflows. For instance, my AI Research Assistant project implemented a ReWOO-like multi-agent architecture with hybrid RRF-RAG and dynamic code execution, reducing manual research load by ~50% and gaining 4% in complex multi-step reasoning. This capability is directly applicable to scoping use cases and building agents that drive real impact.

- My philosophy is binary: if it doesn't scale, it's discarded; if it doesn't generate recurring value without oversight, it's re-architected. This aligns with Beam's culture of ownership and continuous improvement. I am committed to designing and building solutions that address real-world business challenges, ensuring system durability and measurable output in a fast-paced environment.

My background in AI and backend engineering, coupled with a relentless focus on building scalable, autonomous systems, positions me to contribute immediately to Beam's mission. I am eager to apply my expertise in agentic architecture and automation to deliver impactful AI-powered solutions.

Warm regards,

Aditya Ghanashyam Ladawa