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18. July 2025

HappyOps

Application for Werkstudent*In/ Praktikant*In Automation & AI

I am writing to express my interest in the Werkstudent*In/ Praktikant*In Automation & AI position at HappyOps. My work as an AI and backend engineer centers on system ownership, automation, and scalable execution, aligning directly with your mission to drive digital transformation in manufacturing through intelligent solutions. I am currently pursuing an MSc in Data Science at Technische Universität Braunschweig and am seeking a role where I can apply my expertise in building robust, autonomous systems to solve real-world operational challenges.

- My specialization lies in architecting self-replacing agentic systems using LangGraph, LangChain, and LangSmith. I design deterministic multi-agent workflows with explicit state control and persistent execution, capable of autonomously handling complex tasks like document retrieval, multimodal processing, and insight generation. This directly translates to developing smart workflows for lead generation, qualification, and customer interaction logging, as well as automating internal processes across sales, marketing, and customer success. My experience includes building fully automated content pipelines that script, edit, caption, and publish character-based content with zero-touch orchestration.

- My backend engineering stack is built on Python and FastAPI, leveraging Postgres, Redis, and MongoDB for data management. In RAG-based architectures, I utilize Qdrant for efficient vector search. My approach emphasizes modularity, testability, and production readiness, ensuring that integrated AI components and APIs are robust deployments, not just demonstrations. I am adept at testing new tools and pragmatically integrating them into existing workflows, focusing on measurable output and system durability.

- My philosophy is rooted in replacing manual processes with clever, scalable solutions. I view inefficiency as a structural failure and prioritize autonomous infrastructure that generates recurring value without oversight. This systematic thinking and drive for long-term leverage align with HappyOps' focus on rapid implementation, ownership, and avoiding overengineering. I am fluent in English (C1) and possess basic German (A1) proficiency.

My commitment to building durable, high-throughput systems and my deep fluency in agentic architecture and automation pipelines position me to contribute immediately to HappyOps' internal process optimization and AI initiatives. I am eager to apply my hands-on experience to your team, helping to make processes smarter, faster, and more efficient.

Warm regards,

Aditya Ghanashyam Ladawa