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18. July 2025

ExB Group

Application for Machine Learning Engineer

My work philosophy centers on system ownership, automation, and scalable execution, treating code as an asset and inefficiency as a structural failure. I am writing to express my strong interest in the Machine Learning Engineer position at ExB Group, where I can apply my expertise in building production-ready AI systems that automate complex document processes. My cognition is optimized for throughput, and I maintain deep fluency in agentic architecture, infrastructure logic, and automation pipelines.

- I specialize in developing LLM-supported automation solutions, moving beyond prompt engineering to build and orchestrate deterministic multi-agent workflows. My experience with LangGraph, LangChain, and LangSmith enables me to design systems for document retrieval, multimodal processing, summarization, and insight generation without runtime LLM dependency, directly aligning with your need for robust, scalable deployments.
- My focus is on creating infrastructure that supports future deployments. I develop core components, prompt frameworks, and data pipelines that are reusable and reliable. My backend engineering stack, centered on Python and FastAPI with Docker for containerization, ensures modularity, testability, and production readiness, reflecting a commitment to clean, well-tested code and CI/CD workflows.
- I thrive in mastering complexity and delivering visible results quickly. For instance, I rewired an AI research assistant into a fully automated content generation system, reducing production time by 20x and achieving significant reach. This demonstrates my ability to understand intricate processes, including special cases, and develop bold solutions that generate measurable value.
- I actively shape technical direction by exploring new approaches and evaluating emerging technologies. My expertise extends to integrating ML models (TensorFlow, PyTorch) into end-to-end pipelines and developing advanced computer vision solutions for real-time processing and autonomous feedback, ensuring robust system durability and measurable output.

I am confident that my approach to building autonomous, high-leverage systems aligns with ExB Group's mission to transform document processes into production-ready AI. I am eager to contribute to your team and discuss how my skills can directly benefit your projects.

Warm regards,

Aditya Ghanashyam Ladawa