

DATE

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ISSUED TO

VOLKSWAGEN GROUP SERVICES
VOLKSWAGEN DIGITAL:HUB

To whom it may concern:

I am applying for the AI Engineer position at the GIS:Hub. Since 2024, as founder of Lume Office, I have been doing what the role describes: designing, building and operating LLM-based agents for business departments, integrating them with enterprise data and APIs, and being accountable for whether they produce value once they are in production.

The most relevant reference is my work for CaixaBank's CIB AI Lab in Structured Finance. We built a suite of agents covering due-diligence analysis, opportunity screening, monitoring and alerts, assisted financial modelling and presentation preparation, together with an automated report generator for recurring and ad-hoc reporting on large operations. Each agent had to be integrated with the bank's data sources and APIs, operate under strict security and confidentiality requirements, and be evaluated against what the analysts needed rather than against a demo.

This is the same shape of problem the GIS:Hub describes for sales, legal, product management and operations.

That experience led me to build AgentOS, Lume Office's platform for defining, orchestrating and operating custom agents. Building a platform rather than one-off bots forced me to solve the engineering questions behind agentic AI: tool calling and multi-agent orchestration, retrieval over PostgreSQL/pgvector with LlamaIndex, model selection across Claude, GPTs and Gemini, evaluation and monitoring of agent output, and data sovereignty and fine-tuning for clients who cannot send their data to third parties. I work primarily in Python, with Git/GitHub workflows and CI/CD pipelines. I have also built voice and multimodal pipelines (Deepgram, ElevenLabs, MetaHuman on Unreal Engine) for conversational agents.

What attracts me to the GIS:Hub specifically is the brief to build something from the ground up with a commercial B2B data focus. My background is not the usual one for an AI engineer: telecommunications training, a master's in digital media, and many years of turning open briefs into working products for demanding clients, including the Mobility Simulation Platform for NEOM, for which I developed the core routing and directions server, the route planner and the tile server in-house. I am used to owning a product end to end, speaking with business stakeholders in their own terms, and being measured on outcomes.

Please do not hesitate to contact us if any questions arise.
Thank you for your consideration.

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