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Re: Principal AI Engineer — HSP Group

Dear Hiring Team,

I'm writing to express my interest in the Principal AI Engineer role at HSP Group. I build AI agent systems for a living — not as demos, but as the primary way my team ships software. I believe that experience maps directly to what you're building at Gateway HR.

What I bring:

- **Production agent orchestration.** I designed and operate a multi-host platform with specialist agents (code, infrastructure, communications) that dispatch tasks across machines, maintain persistent memory, and execute multi-step workflows autonomously. This isn't a proof-of-concept — it's how I develop daily.
- **RAG at scale.** My semantic memory system (SQLite + vector embeddings, 5,500+ entries) powers hybrid retrieval across code, documentation, and operational knowledge. I've built the full pipeline: ingestion, chunking, embedding, hybrid FTS5/cosine search, and agent-facing retrieval APIs.
- **Multi-agent SDLC integration.** I run dedicated agents for GitHub automation (issues, PRs, project boards), infrastructure management, and communications — operating in parallel, reporting to a dispatcher. The pattern you describe (separate agents for planning, coding, testing) is my daily workflow.
- **20 years of B2B SaaS.** Ruby/Rails across telecom, media, proptech, and event ticketing. I've built platforms from zero as sole engineer (Roomzilla), scaled them to 180K+ users across 90 countries (Jampack), and led teams through major refactors and migrations.
- **Open source proof of work.** Six public repositories demonstrating the stack: browser automation for AI agents, voice cloning, LoRA fine-tuning pipelines, and developer tooling — all shipped and maintained at repos.saiden.dev/aladac.

I'm drawn to HSP Group because you're applying AI to a domain with real regulatory complexity — exactly the kind of problem where agents need guardrails, validation, and human oversight baked in from the start. The “architects of intent” philosophy you describe in the role is how I already work and how I believe engineering teams should evolve.

I'd welcome the opportunity to discuss how my experience building these systems from scratch can accelerate AI adoption across your engineering organization.

Best regards,
Adam Ladachowski