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Robots & Pencils Hiring Team

Re: Principal AI Architect

Dear Robots & Pencils Hiring Team,

Owning architecture across cloud infrastructure, data platforms, and production AI systems closely matches the work I have done as a hands-on architect, engineering leader, and senior technical adviser.

At Intelligent DataWorks, I helped architect and build a production platform using LLMs, RAG, agents, Python, APIs, vector search, orchestration, and AWS while technically leading 11 engineers. The first commercial release shipped within eight months and now supports 70+ automations across more than 20 workflows. I remained directly involved in backend services, infrastructure, evaluation, security, and operations.

My broader architecture experience spans distributed systems, microservices, event-driven services, data lakes, Spark, Kafka, containers, CI/CD, governance, and regulated platforms. At AWS, I advised 200+ enterprises on AI, data, and cloud architecture and developed global technical communities totaling 180+ specialists. At MassMutual, I implemented secure cloud platforms and governance controls; at NorthBay, I built a reusable data-lake and ML accelerator before leading delivery.

Intelligent DataWorks is pursuing a strategic acquisition, and I am seeking a long-term operating role elsewhere. I would welcome a discussion about solving difficult cross-domain architecture problems and helping teams ship secure, reliable AI systems at pace.

Sincerely,

Keith Steward, Ph.D.