

Jadon Jahnke

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TECHNICAL SKILLS

AI & ML: Generative AI, Agentic Workflows, RAG, LangGraph, LangChain, Embeddings, Vector Search, OCR

Languages & APIs: Python, FastAPI, SQL, JavaScript, TypeScript, SAS

Cloud & Infrastructure: AWS, Terraform, Docker, DigitalOcean, NGINX

Data & Validation: PostgreSQL, MySQL, Pydantic, pytest

Web & Tooling: React, Next.js, Tailwind CSS, Postman

EXPERIENCE

AI Solutions Analyst II | *Farmers Mutual Hail*

May 2025 – Present

- Lead developer on an enterprise agentic AI platform **supporting 300+ underwriters**, directing ongoing development of supervisor and sub-agent systems for crop insurance and internal knowledge retrieval.
- Co-built an HR sub-agent end-to-end — **designed the RAG pipeline**, configured an S3 data ingestion pipeline, and integrated it into the multi-agent supervisor framework using LangGraph and LangChain.
- Led migration of **25+ legacy SAS programs to Python**, modernizing core analytics processes and improving maintainability and long-term scalability.
- Evaluate and benchmark third-party AI vendors and platforms, producing technical assessments that directly inform strategic technology adoption decisions.
- Coordinate with external development teams to expand agent capabilities and align technical decisions with business requirements.
- Build and maintain ad hoc reporting pipelines across Python, SAS, SQL, and Excel, delivering data insights across multiple business units.

Full-Stack Web Developer | *Freelance*

Dec 2024 – Present

- Designed and developed responsive websites for small business clients, handling full project lifecycle from design through deployment.
- Managed hosting, domain configuration, and deployment pipelines using DigitalOcean and Vercel; implemented SEO and performance optimization for each client.

Seed Technician | *Bayer Crop Science*

Feb 2022 – Nov 2024

- Led operator training on automation systems and internal software, resulting in a **15% increase in operational performance**.
- Developed and maintained KPI dashboards for real-time data visualization, enabling data-driven decision-making across production teams.
- Oversaw IT/OT security compliance and managed vendor communications for system updates and patch management via Pandora audits.

EDUCATION

BS, Software Engineering

Western Governors University

Aug 2023 – Apr 2025