

Chris Turner

Tech Blogs: <https://cat-ai.io/blog>

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Portfolio Site: <https://cat-ai.io/>

Github Repos: <https://github.com/jitter-ai>



AI/ML & Data Engineering - Core Skills

Generative AI & Agentic Workflows: LangGraph • Redis MCP • OpenSearch • LangChain • Bedrock

- Designing agentic systems with MCP memory, RAG pipelines, and prompt orchestration for enterprise AI.

AI Engineering & Automation: Python • FastAPI • Terraform • Docker • GitHub Actions • Glue • Kinesis • Iceberg • Spark

- Building end-to-end AI pipelines with containerized MLOps and IaC automation for scalable deployment.

Cloud-Native AI Platforms: AWS (EKS, SageMaker, Bedrock, OpenSearch) • Kubernetes

- Architecting hybrid AI stacks for RAG, inference, and cognitive search with unified monitoring and cost control.

Full Skill Set: <https://cat-ai.io/skills/>



PROJECTS & CODE REPOSITORIES

Javante AI – Business AI Hub:

Generative AI platform integrating Redis MCP, LangGraph, and OpenSearch for conversational RAG, semantic memory, and enterprise automation.

- <https://github.com/jitter-ai/javante-ai>

Legal AI Assistant:

Kubernetes + OpenSearch 3.2 platform for legal research using hybrid retrieval (BM25, dense vectors, cross-encoders) and dual memory for auditable, compliant search.

- <https://github.com/jitter-ai/openlaw-ai>

AI Data Center:

On-prem AI infrastructure stack mirroring cloud architectures, automating Kubernetes, Triton, and vLLM inference with CI/CD and offline model caching.

- <https://github.com/jitter-ai/mini-ai-datacenter>



AWS Workshops

Built an OpenSearch and Amazon Bedrock RAG app using Knowledge Bases and vector engines for enterprise document intelligence

- <https://catalog.workshops.aws/workshops/17bf325f-ea97-4011-b03a-8b7f68b2efd0/en-US>

AWS re:Invent 2024 – Prepare Your Data for Generative AI:

Demonstrated a healthcare-focused RAG chatbot emphasizing governance, lineage, and secure data transformation

- <https://catalog.workshops.aws/workshops/fd5d13ca-90a1-4d1e-b690-20020567e85c/en-US>



AWS Skill Builder & PartnerCast Sessions

Delivered global enablement on LangGraph, Bedrock Knowledge Bases, and RAG architectures for partner-scale AI adoption.

<https://cat-ai.io/skill-builder/>



AWS Workshops

AWS re:Invent 2024 – Unlock Enterprise Data with Intelligent Document Search: