Chris Turner

Tech Blogs: https://cat-ai.io/blog
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Porfolio Site: https://cat-ai.io/
Github Repos: https://github.com/jitter-ai

⚗ AI/ML-Augmented Threat Detection
Cybersecurity & AI - Core Skills

Splunk • OpenSearch • Bedrock • LangChain • LangGraph • Redis MCP • RAG • Agentic Workflows • Vector Databases • Generative AI • LLM Integration
Security Analytics & Engineering

MITRE ATT&CK • SIEM • SOAR • Threat Hunting • CrowdStrike • Tenable • SailPoint • IAM • UBA/UEBA • Detection Engineering • Threat Intelligence • Fraud Analytics • OSINT
Cloud, Data & Platform Security

AWS Glue • SageMaker • Fraud Detector • OpenSearch • Terraform • Docker • EKS • Data Lakes • Iceberg • Kinesis • CI/CD Automation • MLOps • Model Observability • Secure Cloud Architecture
- Full Skill Set: https://cat-ai.io/skills

👥 Cybersecurity & AI/ML GitHub Projects - Code Repositories

AI/ML Real-Time OpenSearch + Comprehend Sentiment Insights
- End-to-end analytics solution integrating OpenSearch, Amazon Comprehend, and Bedrock for LLM-driven sentiment and threat insight generation
GitHub Repo: https://github.com/jitter-ai/aiml-realtime-opensearch-comprehend-sentiment-insights

AWS Real-Time AI/ML Fraud Pipeline
- Streaming fraud-detection architecture using Amazon MSK, Kinesis, OpenSearch, and Fraud Detector for live anomaly and risk scoring.
GitHub Repo: https://github.com/jitter-ai/aws-realtime-ai-fraud-pipeline

OpenLaw AI
- Kubernetes + OpenSearch 3.2 legal-research platform applying hybrid RAG, BM25, and cross-encoder retrieval for compliant, explainable document intelligence.
GitHub Repo: https://github.com/jitter-ai/openlaw-ai

👥 Cybersecurity & AI/ML GitHub Projects - Code Repositories

Cybersecurity Use Cases
- A portfolio of applied projects demonstrating AI/ML-driven detection engineering, fraud analytics, sentiment correlation, and SOC modernization across regulated industries.
Portfolio Link: https://cat-ai.io/ai-security

📖 AWS Skill Builder & PartnerCast Sessions

AI-Driven Cyber Insights: Generative AI for Splunk Powered by OpenSearch
- **Demonstrated how to apply Generative AI** and **machine learning** for Splunk security analytics using **OpenSearch** and **SageMaker**, enabling AI-driven threat detection and conversational security insights
Presentation: https://vimeo.com/1104611723
Demo: https://vimeo.com/1104611963

Real-Time Threat Detection with Amazon OpenSearch Security Analytics
- **Built a unified SIEM solution** integrating **Splunk** and **OpenSearch** with **OCSF** normalization for real-time threat detection and automated incident response.

Presentation: https://vimeo.com/1104592171
Demo: https://vimeo.com/1104592118

Advanced Fraud Detection with AWS
- **Architected a real-time fraud detection system using MSK**, **Kinesis**, **OpenSearch**, and **Fraud Detector** for streaming analytics and AI-driven risk scoring.

Presentation: https://vimeo.com/1104604778
Demo: https://vimeo.com/1104604690