

Chris Turner

Senior Manager, Generative AI & Cyber Data Engineering

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[Linkedin](#) • [Medium Tech Blog](#) • [Public Github](#) • [Portfolio Site](#)

PROFESSIONAL SUMMARY

Former professional baseball player turned AI/ML and Cybersecurity leader (ex-AWS, ex-Yahoo) with 15+ years delivering enterprise-scale in cyber, AI/ML, Generative AI, and advanced analytics solutions. Proven Solutions Architect specializing in AI engineering, Retrieval-Augmented Generation (RAG), Large Language Models (LLMs), and MLOps automation.

EXPERIENCE

Senior Manager, Generative AI & Cyber Data Engineering Jan 2023 - Present
PwC • GLOBAL

Lead enterprise-scale initiatives at the intersection of Generative AI, Data Engineering, and Cyber Analytics, architecting intelligent systems that transform complex data into secure, actionable intelligence.

- AI & Cyber Fusion Engineering: Design and deploy Generative AI architectures that integrate LLMs, RAG pipelines, and AI Agents with real-time cyber and risk analytics frameworks.
- Data Platform Modernization: Build cloud-agnostic data engineering pipelines across AWS, Azure, and GCP using Glue, Data Factory, and Dataflow.
- Threat & Intelligence Automation: Apply AI-driven anomaly detection, threat modeling, and policy aware reasoning to accelerate investigative analytics.
- Governance, Security & Compliance: Implement LLM guardrails, IAM role segregation, encryption-at rest/in-transit, and cloud-native identity controls.
- MLOps & Infrastructure-as-Code: Automate deployments with Terraform, CloudFormation, and CI/CD pipelines.
- Prompt & Agent Engineering: Develop multi-agent orchestration for contextual retrieval and policy enforcement.
- Leadership & Enablement: Mentor data engineers and cybersecurity architects in AI integration and RAG evaluation.

AI/ML & Data Analytics Solution Architect Feb 2022 - Oct 2025
Amazon Web Services (AWS) • GLOBAL

Leadership in AI Engineering, Generative AI, and Amazon OpenSearch Innovation.

- Recognized Amazon OpenSearch Subject Matter Expert (SME); collaborated with platform engineering teams to advance neural and multimodal search.
- Directed Amazon OpenSearch global initiatives, partnering with integrators to deliver AWS-native analytics to Fortune 500 organizations.
- Led high-impact teams in strategic Splunk-to-OpenSearch migrations for major enterprises like Western Union, Citibank, Adobe, and Yahoo.
- Managed technical enablement and AI/ML analytics adoption for global clients including McKinsey, Cisco, and Redpanda.
- Designed and deployed scalable AI pipelines using MLflow, Apache Spark, Airflow, and Delta-style data lakes.
- Built containerized, API-driven ML systems with Docker, GitHub Actions, and ECR.
- Developed RAG pipelines using LangChain, Amazon OpenSearch, GPT-4, and Claude.
- Applied SageMaker to detect bias, drift, and regression in production LLMs; surfaced metrics in Grafana via Prometheus.

Mgr. Cyber Analytics & Solutions Development @ Yahoo | Jan 2019 - Feb 2022
Toyota | Dept. Homeland Security
Booz Allen Hamilton • GLOBAL

Managed and matured cybersecurity architecture and data engineering for Booz Allen's Commercial Cyber Fusion Center (CFC).

- Leading enterprise-scale Splunk deployments (AWS/on-prem) and integrating CrowdStrike.

- Engineered AWS-based AI/ML-driven cyber intelligence capabilities for proactive threat detection.
- Provided senior leadership, strategic oversight, and technical mentorship for cybersecurity engagements.

Global Cyber Investigative Intelligence/Cyber Analytics Sr. Program Lead Mar 2018 - Jan 2019

Citibank • TAMPA, UNITED STATES

Led data science and machine learning initiatives for a Global Cyber Investigative Intelligence program.

- Developed cyber intelligence, OSINT, investigative analytics, and threat intelligence using data lake architectures.
- Tracked nation-state actors/APTs by analyzing SOC reports and conducted dark web analysis.
- Enhanced cybersecurity analytics by quantifying cyber intelligence into mathematical models.

Senior Security Engineer/Analyst Nov 2015 - Mar 2018

Centene • TAMPA, UNITED STATES

Identity and Access Management (IAM) with SailPoint

- Delivered comprehensive IAM solutions integrating critical infrastructure with SailPoint IdentityIQ.
- Drove best practices in Role-Based Access Control (RBAC) and created custom IAM attributes.

Infrastructure IT Support Jan 2013 - Nov 2015

Raymond James Financial • TAMPA, UNITED STATES

IT Infrastructure support role.

Minor League Professional baseball player Jun 2007 - Jun 2009

Houston Astros Minor League • USA

Professional athlete role.

EDUCATION

Master of Science (M.S.), Cybersecurity (Cyber Intelligence) Jan 2010 - Jan 2015

University of South Florida • Tampa, FL

Advanced degree focused on cyber intelligence.

Bachelor of Arts (B.A.), Criminology Jan 2010 - Jan 2014

University of South Florida • Tampa, FL

Undergraduate degree.

Associate of Science (A.S.), Network Security & Digital Forensics Jan 2008 - Jan 2010

Hillsborough Community College • Tampa, FL

Foundational technical degree.

SKILLS

AI/ML (Amazon Nova, Bedrock, SageMaker Studio)

Generative AI (RAG, LLM Integration, LangChain)

Data Engineering (Glue, Athena, Kinesis, MSK)

Cybersecurity (CrowdStrike, Splunk, SailPoint)

DevOps (Terraform, AWS CDK, CI/CD Automation)

Programming (Python, SQL, PowerShell, Ruby)

CERTIFICATIONS

AWS Certified: AWS Data Analytics
Amazon Web Services

Jan 2020 - Present

AWS Solutions Architect
Amazon Web Services

Jan 2020 - Present

Splunk Power User
Splunk

Jan 2020 - Present