Lucia Fontaine Lead Cloud Security Engineer

Hartford, CT · lucia.fontaine@gmail.com · +1 860-555-0174 · linkedin.com/in/luciafontaine

PROFILE SUMMARY

- **Lead Cloud Security Engineer** with **12 years of experience**, running the cloud security program for a **Fortune 500 insurer** across **AWS and Azure**, after 5 years securing **ITAR-controlled engineering systems** in aerospace.
- Works across **AWS** and **Microsoft Azure** landing zones, **Prisma Cloud** for posture, **Microsoft Entra ID** for access, **Terraform** and Azure Policy for guardrails, and **Microsoft Sentinel** for detection.
- Deep expertise in **multi-cloud reference architecture**, **NYDFS Part 500 and SOX cloud controls**, **privileged access design** and **encryption standards**, built on **NIST CSF 2.0** and the **CIS Benchmarks**.
- Partners with the **CISO's office**, **enterprise architecture**, **internal audit** and **14 application teams**, and presents cloud risk to the **technology risk committee** every quarter.
- Leads **5 cloud security engineers**, writes the **cloud security standards** every new workload follows, built the **landing zone review** the architecture board uses, and holds **CISSP** and **CCSP**.

TECHNICAL SKILLS

Cloud Platforms & Frameworks:	AWS, Microsoft Azure, NIST CSF 2.0, CIS Benchmarks, NYDFS Part 500, SOX ITGCs
Identity & Access:	Microsoft Entra ID, Privileged Identity Management, IAM Identity Center, CyberArk, Conditional Access
CSPM & CNAPP:	Prisma Cloud, Microsoft Defender for Cloud, AWS Security Hub
Containers & Kubernetes:	AKS, Amazon EKS, Prisma Cloud Compute, OPA Gatekeeper
IaC & Policy-as-Code:	Terraform, Azure Policy, HashiCorp Sentinel, Azure DevOps
Network & Encryption:	Azure Firewall, Transit Gateway, Azure Key Vault, AWS KMS, Zscaler
Detection, Logging & Scripting:	Microsoft Sentinel, KQL, AWS CloudTrail, Amazon GuardDuty, PowerShell, Python

EDUCATION

Carnegie Mellon University — **M.S. in Information Security** — Pittsburgh, PA · Aug 2012 to May 2014

ISC2 — **CISSP and CCSP certifications** — Hartford, CT · 2018 and 2021

WORK EXPERIENCE

The Hartford — Lead Cloud Security Engineer — Hartford, CT · Apr 2019 to Present

- Designed the AWS and Azure landing zones for the move of **1,100+ applications** out of 2 data centers, with Azure Policy and SCP guardrails in place from the first subscription.
- Ran **Prisma Cloud** and Defender for Cloud across 420 accounts and subscriptions, giving every finding an owner and a fix date, and raised CIS Benchmark compliance from **61% to 94%**.
- Rebuilt cloud admin access on **Entra ID PIM** and CyberArk with approvals and time limits, cutting permanent privileged accounts from **380 to 22** ahead of the NYDFS Part 500 access rules.
- Built the cloud detection program in **Microsoft Sentinel** with 120 KQL rules on Azure and AWS logs, cutting the median time to contain a cloud incident from 9 hours to **2 hours**.
- Set the encryption standard for policyholder data and moved **3,400 databases and storage accounts** to customer-managed keys in Azure Key Vault and AWS KMS over 2 years.

Pratt & Whitney — Information Security Engineer — East Hartford, CT · Jul 2014 to Mar 2019

- Segmented the engineering networks that held ITAR-controlled design data, moving **2,600 workstations** behind a new firewall zone with logged, approved access only.
- Wrote the first **Terraform** baseline for an AWS GovCloud pilot hosting export-controlled build servers, with encryption, logging and network rules on by default, reused in **11 accounts**.
- Hardened 240 Linux and Windows build servers to CIS Benchmarks with automated checks, and cut audit findings on server configuration by **78%** over 2 audit cycles.