

MARGUERITE (MEG) ASHBY

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WORK EXPERIENCE

Alloy - New York, NY

Senior Cloud Security Engineer II | April 2025 - Present

- Upgraded over a dozen EKS clusters to use **API-based auth** from a mix of API & ConfigMap-based authentication, managing migration of 100+ identities with no lost cluster access
- Aided in the onboarding of two senior security engineers including providing guidance on cloud security architecture, onboarding sessions, and documentation

Senior Cloud Security Engineer I | April 2023 - April 2025

- Modernized **VPC networking** to utilize centralized **PrivateLink endpoints** for **40 AWS and AWS Partner services** to send **300 GB/day** of traffic through private connections without packet loss
- Drove consensus across security, infrastructure, and data teams to define a unified **egress** architecture utilizing **Transit Gateway, Network Firewall and NAT Gateways** across 17 VPCs in multiple regions to detect, alert, and block on malicious activity
- Deployed **Wiz Kubernetes integration** into a dozen **EKS** Clusters utilizing **Helm and External Secrets Operator (ESO)**
- Led migration of cloud security tooling including **GuardDuty, IAM Access Analyzer**, and custom tooling to **Security Management account in AWS Organizations** reducing account provisioning time and increasing auditability
- Implemented data cleanroom solution with **AWS Appstream 2.0 fleet** to enable dozens of users to view sensitive data securely
- Achieved >\$60,000/year cost savings by transitioning bespoke document upload virus-scanning lambda to utilize **GuardDuty Malware Protection for S3**
- Reduced incident response time from 5 minutes to 30 seconds using **Amazon Q Developer (FKA Chatbot)** for Config remediation alerts

Cloud Security Engineer II | May 2022 - April 2023

- Hired onto the Security Engineering team as the founding cloud security engineer on a team of four
- Led strategic optimization of cloud security tooling and log architecture, eliminating redundancy and aligning S3 data lifecycle policies, resulting in **\$200K+ annual cost savings** while improving compliance traceability
- Designed and implemented dynamic access provisioning to 100+ AWS resources via **StrongDM and Okta groups**
- Developed **Config** auto-remediations to resolve cloud misconfigurations, resulting in 300+ automated fixes over a 2 year period
- Built document upload file virus-scanning system with **Lambda, ECR, and S3** which scans > 1.2 million document uploads / year
- Established standardized Lambda SDLC leveraging **GitHub Actions** and **Terraform modules**, eliminating manual deployment across the team and improving consistency, auditability, and deployment velocity

Marcus by Goldman Sachs - New York, NY

Associate, Software Engineering - Checking | January 2022 - May 2022

Analyst, Software Engineering - Checking | February 2021 - January 2022

- Developed new features and architect microservices using **Java 8, Rest APIs, Spring Boot, Confluent Schema Registry, and OpenApi3**
- Collaborated with DevOps engineers to deploy AWS infrastructure including **ECS, S3, Lambda, and IAM** using Terraform
- Wrote unit tests using **JUnit** and **Mockito** and collaborated with QM engineers to create serenity integration tests

Analyst, Security Engineering - Threat Detection | July 2019 - February 2021

- Built **AWS Lambda** to detect out-of-policy security group changes utilizing **CloudWatch Events, CloudWatch Logs, Security Hub, and PagerDuty** to alert on-call engineers
- Designed monitoring system to ensure dozens of proprietary sub-domains remained protected using **AWS Route 53**
- Configured **Cloudflare firewall rulesets** and perform data analysis in Python to identify suspicious ASNs and user agents
- Created **accelerated Splunk data models** to enable long-running queries and reporting to run 20x faster

PROFESSIONAL APPEARANCES

fwd:cloudsec 2025 – Denver, CO June 2025
Presented [*Inviter Threat: Managing Security in a new Cloud Deployment Model*](#) to provide guidance on maintaining security in a Bring Your Own Cloud deployment environment

fintech_devcon 2024 - Austin, TX August 2024
Co-presented [*Get developers to embrace infrastructure as code*](#) with head of Infrastructure and SRE on methods, tooling, and best practices for scaling AWS cloud infrastructure securely across multiple engineering teams

fwd:cloudsec 2024 – Arlington, VA June 2024
Presented [*Balancing Security and Costs in AWS VPC Interface Endpoints*](#) about maintaining fine-grained security controls in an AWS centralized VPC endpoint architecture pattern

CERTIFICATIONS & AWARDS

AWS Solutions Architect - Associate	valid through January 2026
AWS Security Specialty	valid through April 2026
AWS Advanced Networking Specialty	valid through December 2027
Certified Kubernetes Administrator	valid through December 2026

COMMUNITY INVOLVEMENT

AWS Community Builders - Remote
Security Track | 2025

Minds Matter NYC - New York, NY
Mentorship Team Lead | October 2022 - Present
Mentor | October 2019 - May 2022

EDUCATION

The University of Texas at Austin - Austin, TX
Bachelor of Science and Arts: Honors Mathematics
GPA: 3.95/4.0
Additional Minors in Computer Science and Independent Study