

Samuel "Sam" Haile

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SUMMARY

DevSecOps Engineer with 7+ years of expertise architecting zero-trust AWS environments and AI-enhanced CI/CD pipelines across the Aviation, Marine, Consulting, and Banking sectors. Proven track record of achieving SOC 2 and NIST compliance while reducing cloud spend by 25% through automated governance. Expert in scaling multi-account architectures and securing Kubernetes workloads for mission-critical platforms, integrating real-time vulnerability remediation to accelerate delivery without compromising integrity.

ACCOMPLISHMENTS

- **Achieved SOC 2 certification readiness in under 90 days** by implementing audit-ready security controls, automated evidence collection, and secure CI/CD practices — enabling AirTera to win new enterprise clients and expand into regulated markets.
- **Improved cloud security posture across multiple organizations**, raising CIS compliance to **100%** and NIST compliance to **96%** by automating vulnerability management, enforcing IAM least-privilege, and integrating continuous security scanning into CI/CD pipelines.
- **Accelerated cloud automation and reduced operational costs** by leading large-scale IaC transformations using Terraform and AWS CDK, cutting provisioning time by **50%**, improving resource efficiency by **90%**, and reducing AWS spend by **20–30%** through serverless and containerized architectures.

SKILLS

AWS | EC2 | EBS | EFS | ELB | S3 | IAM | VPC | Route53 | CloudWatch | Autoscaling | IAM | CloudFront | Lambda | DynamoDB | EKS | ECR | AWS Security Hub | Inspector | GuardDuty | AWS KMS | AWS Secret Manager | Continuous Development (CI/CD) | Terraform | Jenkins | Docker | Kubernetes | Artifactory | SonarQube (SAST) | Ansible | Git | Gitlab | Atlassian | Python | Bash | CIS | NIST | DAST | SAST | ELK Stack | Prometheus | Grafana

CERTIFICATIONS

[AWS Certified Solutions Architect - Associate](#) | Amazon | 2019 - 2022

[Google IT Automation with Python Professional](#) | Grow With Google | 2020

EXPERIENCE

[DevSecOps Engineer](#) | Airtera

June 2025 - Present, Philadelphia, PA (Remote)

Operating in the aviation and transportation technology sector, AirTera is a privately held organization providing security, safety, and compliance solutions for airlines, airports, and ground-operations clients.

RESPONSIBILITIES

- Architected and deployed secure AWS infrastructure using AWS CDK (ECS Fargate, Lambda, API Gateway, ALB, VPC, Aurora Postgres, RDS SQL Server).
- Built GitLab CI/CD pipelines integrating Trivy, Semgrep, dependency scanning, and deployment gates.
- Implemented SOC 2 technical controls including CloudWatch logging, KMS encryption, WAF/Shield, CloudTrail/Config auditing, and OIDC-based CI/CD authentication.
- Replatformed core services from Supabase to Aurora Postgres, improving schema-change lead time and reliability.
- Migrated legacy Windows Task Scheduler workloads to serverless .NET 8 Lambdas using EventBridge and SES.
- Enhanced observability using CloudWatch, Prometheus, Grafana; improved developer experience.

ACCOMPLISHMENTS

- Led migration of a monorepo Operations platform (APIs, Next.js frontends) to AWS with full SOC 2 alignment.
- Achieved SOC 2 certification readiness in under 90 days, enabling enterprise expansion.
- Reduced infrastructure cost by 20–30% through Lambda optimization and standardized IaC modules.
- Delivered a fully serverless reporting system with deterministic outputs and sub-10-second execution time.

TECH STACK

- AWS: ECS Fargate, Lambda, API Gateway, ALB, VPC, Aurora Postgres, RDS SQL Server, Secrets Manager, KMS, WAF/Shield
- DevSecOps: GitLab CI/CD, OIDC, Trivy, Docker, IAM least privilege, SOC 2 controls
- IaC & Automation: AWS CDK (TypeScript), Terraform
- Applications: Node.js, .NET 8
- Observability: CloudWatch, CloudTrail, Prometheus, Grafana

[DevOps Engineer](#) | Everllence

October 2022 - June 2025, Philadelphia, PA (Remote)

Everllence (formerly MAN Energy Solutions) operates in the marine, energy, and industrial sectors with ~75 employees globally.

RESPONSIBILITIES

- Built and maintained DevOps tooling, CI/CD pipelines, and containerized applications to improve deployment speed and reliability.

- Implemented self-service deployment workflows, reducing issue resolution time by up to 40%.
- Designed scalable infrastructure for data science and AI workloads.
- Integrated HashiCorp Vault with Kubernetes, Jenkins, and Terraform to enforce CIS/NIST controls and dynamic secrets.

ACCOMPLISHMENTS

- Migrated Analytics platform to Terraform IaC, reducing deployment time by 40% and increasing scalability by 30%.
- Automated vulnerability scanning and compliance checks, raising CIS to 100% and NIST to 96%.
- Designed CI/CD pipelines supporting 50+ releases annually.
- Developed reusable Terraform modules for standardized provisioning.

TECH STACK

- AWS: IAM, EC2, EBS, AutoScaling, Load Balancers, S3, Lambda, CloudWatch, CloudTrail, ECR, EKS
- Security: HashiCorp Vault, AWS Secrets Manager, Security Hub, Inspector, GuardDuty
- DevOps Tooling: Jenkins, GitLab, Docker, Kubernetes (EKS), Rancher, Artifactory
- IaC & Automation: Terraform, Ansible
- Observability & Data: Prometheus, Grafana, Kafka, MongoDB

AWS Cloud Engineer | Accenture

May 2019 - October 2022, Philadelphia, PA (Remote)

Operating in the consulting sector, Accenture is a Publicly-Held organization employing over 700,000 employees worldwide.

RESPONSIBILITIES:

- Optimized CI/CD pipelines and automating infrastructure provisioning, reduced application deployment times by 50% and operational costs by 30%, allowing quicker adaptation to market demands and delivering value to clients faster.
- Implemented Static Application Security Testing (SAST) capability for a major water company, integrating security checks into the CI/CD pipeline to identify and remediate code vulnerabilities early in the development lifecycle.

ACCOMPLISHMENTS:

- Successfully contributed to the migration of a multi-environment infrastructure (staging, pre-production, production) using Terraform, enhancing security by isolating production, pre-production and staging environments. This accomplishment also led to a 40% reduction in manual configuration errors and improved overall resource management throughout the application lifecycle.
- Integrated Fortify security checks into the CI/CD pipeline which enhanced application security, reduced security-related release delays by 30%, and ensured compliance with regulations for critical infrastructure in the water sector.
- Designed and implemented CI/CD pipelines leveraging Jenkins, Helm, and Kubernetes to deploy and manage containerized applications on AWS Elastic Kubernetes Service (EKS), ensuring seamless application updates and high availability.

TECH STACK:

- AWS: EC2, EKS, S3, Lambda, CloudWatch, CloudTrail
- Security: Fortify (SAST)
- DevOps Tooling: Jenkins, Git, Docker, Kubernetes (EKS), Helm
- IaC & Automation: Terraform

Software Developer | 21PSTEM

May 2018 - April 2019, Conshohocken, PA

Operating in the education sector, 21PSTEM is a Privately-Held organization employing approximately 50 employees.

RESPONSIBILITIES:

- Modernized a Ruby on Rails school management system serving 10k+ users. Upgraded Rails 3.2 → 4.0 in 4 months.
- Built Selenium automation tests with 100% coverage.

TECH STACK:

- Frontend: React, JavaScript Backend: Ruby on Rails, Node.js, Testing: Selenium, Databases: MongoDB, Tools & Frameworks: MERN stack (MongoDB, Express.js, React, Node.js)

Web Development Bootcamp | General Assembly

November 2017 - April 2018

- 18 weeks learning and practicing MERN Stack (MongoDB, Express.js, React, Node.js) web development.

Associate Business System Analyst | JP Morgan Chase

December 2015 - November 2017, Wilmington, DE

Operating in the financial service sector, JPMorgan Chase is a publicly held organization employing over 290,000 employees worldwide.

- Led initiatives to automate manual processes of Treasury Note Auction orders, resulting in a 90% reduction in processing time and 99% decrease in errors.

Business System Analyst | BNY Mellon

March 2006 - December 2015, Wilmington, DE

BNY Mellon operates in the financial services and investment management sector. It is a publicly held organization with approximately 50,000 employees worldwide.

- Provide support for the automation of NAV calculation applications.

Help Desk Analyst | AHP Settlement Trust

June 2002 - March 2006, Philadelphia, PA

- Provided technical support and issue resolution for internal staff processing complex Fen-Phen settlement claims, ensuring high system uptime and operational efficiency.

EDUCATION

Management Information Systems | Drexel University | 2003 | PHILADELPHIA, PA

VOLUNTEER

- As the founder of Delaware's Official Liverpool FC Supporters club, I've helped build a strong fan community. Each year, we collect over 300 pounds of food for local food banks, supporting those in need and giving back to our community.
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