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ALAN ANDRES HARO

MLOPS | DEVOPS | PLATFORM ENGINEER | DEVSECOPS | CLOUD SECURITY | AI ENGINEER

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About me

Senior DevSecOps & Security Engineer with 10+ years of experience designing and operating secure, automated cloud platforms across AWS, Azure, and GCP. Specialized in deploying AI agents and ML workloads on Kubernetes, building MLOps pipelines, and creating internal platforms and interfaces that help engineering teams safely adopt AI. Strong background in cybersecurity, automation, GitOps, and observability, partnering cross-functionally to deliver production-ready systems.

Skills

- **Cloud Technologies:**
  - Azure, AWS, GCP
  - Kubernetes, Terraform, Ansible, Cloudflare
  - FluxCD & ArgoCD
- **Monitoring & Automation:**
  - Grafana, DataDog, Prometheus
  - Cypress, Selenium, Docker
  - CD & CI - Github Action, Jenkins, ADO

- **Security & DevOps:**
  - Security Onion
  - Sentinel, Defender, Wiz
  - Google Chronicle, Cyera
  - Burp, MetaSploit, NMAP
  - Python, Bash, Powershell
  - AI, MLOPS, API's
  - Risk Analysis, Policy Dev
  - Wazuh, Splunk
  - Postgress, Elastic, Postman

- **Soc & Incident Response:**
  - Identity & Access Management:
    - IAM, RBAC, PAM, MFA
  - SIEM, SOAR, EDR, XDR
  - Threat Hunting & Threat Intelligence
  - Vulnerability Management:
    - Nessus, Snyk CheckMarkx
- **Red Team Activities:**
  - OSINT
  - Pen-Testing

Experience

Senior CyberSecurity Engineer | Team Lead

Intermountain HealthCare | October 2024 - Present

- Standardized cloud infrastructure and access patterns by building Terraform modules and CI/CD templates across AWS and Azure.
- Enabled ML engineers, AI engineers, DevOps, and security teams with self-service pipelines, APIs, and automation for deploying services and workflows.
- Built and maintained CI/CD pipelines and GitHub workflows used by multiple engineering teams.
- Implemented API-driven integration patterns for internal systems and third-party services.
- Centralized logging, metrics, and alerting to improve platform observability and incident response.
- Automated IAM lifecycle workflows, enforcing RBAC, MFA, and least-privilege access.
- Troubleshot complex production issues spanning cloud infrastructure, CI/CD, APIs, and applications.
- Participated in on-call rotation within a HIPAA/HITRUST-regulated environment.

Senior DevOps & DevSecOps Engineer

TherapyNotes | May 2023 - Oct 2024

- Designed and operated cloud-native data pipelines supporting application analytics, security monitoring, and AI-adjacent workloads.
- Managed databases and data services (Postgres, Elastic, BigQuery) with a focus on performance, security, and reliability.
- Integrated data pipelines with Kubernetes workloads, enabling automated processing and observability.
- Built monitoring and alerting for data freshness, pipeline failures, and system health using Datadog and Prometheus.
- Partnered cross-functionally with engineers and analysts to deliver trusted, production-ready data systems.

Senior Security Software Engineer | Team Lead

Lumifi Cyber | Jul 2022 - Aug 2023

- Engineered secure SDLC and DevSecOps pipelines integrating SAST, DAST, and dependency scanning.
- Conducted penetration testing and API security assessments to identifying high-impact vulnerabilities and driving remediation.
- Built custom detection and monitoring logic to identify anomalous behavior and emerging threats.
- Developed and enforced security policies aligned with NIST and ISO 27001 frameworks.
- Designed and deployed SOC 2–aligned cloud services in Azure, ensuring security, availability, and compliance controls were properly implemented.

DevOps Engineer Mentor

Nucamp | May 2022 - Oct 2025

- Mentored students in DevOps principles and real-world practices, including Python scripting, containerization with Kubernetes, and cloud platforms such as AWS, Azure, and Google Cloud.
- Taught Infrastructure as Code (IaC) best practices to design, deploy, and manage secure and scalable cloud environments.
- Guided students on implementing CI/CD pipelines to automate build, test, and deployment workflows.

Technical Support Engineer

Digicert | May 2020 - May 2022

- Helping end-users to find multiple solutions to install their current and active certificates.
- Running manual and automation testing through our GUI, and different Digicert Tools.
- Guiding end-users through multiple environments like Linux, Mac OS, and Windows to know how to install their certificates.
- Guiding users to understand the differences in between
- Developed communication skills to interact with difficult situations, and difficult scenarios.
- Working within multiple tools, environments, and technologies like CertCentral, Digicert Utility Tool, TLS, SSL, PKI, IoT, Code-Signing, Azure, POSTMAN, NGNIX, Apache, IIS, Tomcat, etc.

Software Engineer

Utah Valley University | Jan 2019 - May 2020

- Develop APIs that integrate multiple platforms to streamline and support internal resources.
- Assist in building and maintaining both front-end and back-end components for websites used by the Education Department and the Business Development Department.
- Support QA automation efforts by testing various internal software systems to identify vulnerabilities and help design effective solutions to address existing issues.

Technical Support Engineer

Instructure | Nov 20217 - Jan 2019

- Supported instructors, administrators, and students by troubleshooting issues within the Canvas LMS, ensuring fast and accurate resolution of platform-related problems.
- Diagnosed and resolved Canvas configuration, integration, and performance issues across multiple environments.
- Built internal automation tools using Python and Selenium to reproduce user issues, validate fixes, and reduce resolution time.
- Performed manual and automated testing through the Canvas GUI to identify defects and improve platform reliability.

Academic Background

CyberSecurity | Masters Degree

Utah Valley University | Graduated

Web & App Development | Bachelors Degree

Utah Valley University | Graduated

Tech Management | Associates Degree

Utah Valley University | Graduated

IT & Cybersecurity | Certificates

Google & CodePath

Passion Projects

- **Azure-Terraform**
- **TodoList-Kubernetes-Deployment**
- **Send-Messages-Automation**
- **Sops-flux-playground**
- **Android Projects**

- **DevOps - AWS IaC**
- **Starving - iOS App**
- **PCAP File Scanner**

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