

Jake Armstrong

Security & Cloud Architect

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EDUCATION

M.S. Cybersecurity (Information Assurance, Cyber Operations) · Southern Utah University, 2025

B.S. in Digital Forensics · Utah Tech University, 2013

CERTIFICATIONS

Certified AI Agent Security Specialist · Proofpoint, 2026

CISSP · ISC2-618515, 2025

CAREER PROFILE

I'm a security and cloud architect focused on the availability, integrity, and security of information in modern enterprise environments. I started in digital forensics, which gave me a useful habit: assuming every system will eventually be inspected, attacked, or both.

Most recently I've been bringing AI — generative tools, agentic workflows, and the governance that should sit underneath them — into the security program and into how the team actually ships work.

EXPERIENCE

Head of Information Technology / DevOps Engineer

2021 — Present

Zonos · St. George, Utah

- Built the company's information security program from scratch and led it through successful PCI-DSS and SOC 2 audits covering the full API platform.
- Owned policy design, endpoint/MDM, network hardening, vulnerability management, and external penetration testing.
- Authored and maintained cloud infrastructure in Terraform and CI/CD pipelines in GitHub Actions, shifting security testing left into the SDLC.
- Set the AI usage and vendor-review guidance for the company and folded AI tools into the SOC 2 evidence trail; standardized on agentic tooling (Claude Code, MCP) for infra, security, and IT workflows.

Systems Engineer

2018 — 2021

SkyWest Airlines · St. George, Utah

- Operated a hybrid Azure + on-premises VMware/NetApp environment spanning multiple datacenters and WAN sites for a regional airline with thousands of employees.
- Played a lead role in Office 365 and Azure migration, integrating SaaS, PaaS, and IaaS services into existing enterprise workflows.
- Administered Oracle, RHEL, and CentOS Linux fleets, F5 load balancers, and Cohesity backup infrastructure.

I.T. Supervisor / Project Manager

2013 — 2018

Wilson Connectivity · St. George, Utah

- Led a team of 7 across networking, systems, support, database, DevOps, and security, serving a 250+ employee manufacturing company.
- Drove migration to Google Workspace, Microsoft 365, and Azure while modernizing on-premises architecture using Agile project planning.
- Ran eDiscovery, penetration testing, network analysis, and file recovery using digital forensics skills; headed security initiatives protecting company IP and customer data.

SKILLS & PROFICIENCY

BUILD: Terraform · GitHub Actions · Azure DevOps · Docker / Podman · Kubernetes (k8s, k3s, Rancher) · NGINX · Apache · PowerShell · Bash · Python · Node.js · JavaScript · HTML & CSS

DEFEND: PCI-DSS · SOC 2 · Firewalls (Palo Alto, SonicWall, pfSense) · VPN (IPSec, OpenVPN, Site-to-Site) · SSO / SAML / OIDC / ADFS · WAF · IDS / IPS / UTM · SSL/TLS & PKI · Vulnerability Management · Penetration Testing · Digital Forensics · LLM Threat Modeling · AI Policy & Governance · AI Vendor Risk

OPERATE: AWS · Microsoft Azure · Google Cloud · Microsoft 365 · Windows Server · Linux (RHEL, Ubuntu, Kali, Arch) · VMware · NetApp · F5 Load Balancing · LAN/WAN TCP/IP

SHIP WITH AI: Claude Code · MCP Servers · Cursor · GitHub Copilot · Prompt Engineering · AI-Assisted Code Review