

Josh Noll

Summary

Cloud/DevOps Engineer specializing in Kubernetes, infrastructure automation, and secure cloud platforms supporting enterprise and mission environments. Active TS/SCI clearance; MA in IT Management; CISSP, SecurityX, CCNA certified. Driven to build durable solutions to long-standing pain points, bridging engineering and leadership to deliver measurable outcomes.

Skills

Azure | AWS | Linux | PowerShell | Bash | Ansible | Python | HTML | CSS | JavaScript | TypeScript | React | Vite | NextJS | Jest | Tailwind | Docker | Kubernetes | Helm | FluxCD | ArgoCD | VMWare | Proxmox | Wireguard | Tailscale | Nginx | Traefik

Certifications

CISSP [↗](#) | CCNA [↗](#) | Az-104 [↗](#) | Az-900 [↗](#) | SecurityX [↗](#) | Security+ [↗](#) | Network+ [↗](#) | Project+ [↗](#)

Experience

Infrastructure Engineer, Unstructured (*Feb 2026 – present*)

- Migrated 8 internal platform applications from Nginx ingress to Traefik, enforcing mTLS authentication across all services to prevent unauthorized cluster access.
- Prototyping an AI-driven internal documentation site using Docusaurus, FastAPI, ChromaDB and Anthropic/OpenAI API integrations for RAG, receiving positive feedback from stakeholders in initial demos.

Data and Information Systems Engineer, US Army (*Jan 2021 – Jan 2026*)

- Delivered an AI-powered search solution using Azure AI Search with cross-functional teams, improving accessibility of 22TB+ of data and cutting information retrieval time from 20+ minutes to under 10 seconds.
- Identified a chronic gap in user account management and built a custom PowerShell module from scratch, increasing service desk ticket closure speed by 100%.
- Authored an enterprise cybersecurity policy aligning technical controls with business priorities; secured C-suite buy-in and reduced violations by 75%+.
- Designed and presented a tactical network/systems architecture to 5+ C-suite stakeholders, enabling buy-in for a training event supporting 50+ end users.
- Deployed resilient Active Directory domain architecture across 8 geographically dispersed sites, maintaining service continuity for 150+ users in austere tactical environments.

Executive Assistant, US Army (*Feb 2020 – Jan 2021*)

- Bridged C-suite leadership and technical teams in drafting and publishing the U.S. Army Arctic Strategy, a foundational initiative driving the Army's return to Arctic dominance amid great power competition.

Platoon Leader, US Army (*Mar 2019 – Nov 2020*)

- Commanded a 22-person Cavalry platoon through a successful combat training center rotation; rated #1 of all platoon leaders in the squadron; accountable for \$1M+ in equipment.

Volunteering

Director of Programming, Arrowhead Research (*Jan 2026 – present*)

- Delivered a presentation at a company-sponsored prototype showcase on open-source methodology to a panel of 5 industry experts and DoD leaders including the US Army CTO, demonstrating technical leadership and communication skills.

Web Developer, Cybersecurity Canon (*Nov 2025 – present*)

- Prototyping a modern platform to replace long-deferred WordPress infrastructure; communicating architectural trade-offs to leadership to enable enhanced extensibility.

Projects

Black Relay [↗](#)

Full-stack IoT platform built with JavaScript, Express, MQTT, MongoDB. Collects and visualizes real-time sensor data in resource-constrained environments.

Homelab as Code [↗](#)

CD pipeline for homelab services; deploys to Kubernetes on Talos Linux supporting multiple active users via GitOps/IaC.

Education

Webster University: MA, Information Technology Management (*May 2022*)

University of Wisconsin - Eau Claire: BA, German (*May 2017*)

Galvanize: Software Development Immersive (*September 2025*)

US Army Cyber Center of Excellence (CCOE): Graduate, Information Systems Engineering Course (*October 2021*)