

# Josh Noll

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## Summary

Passionate, results-driven problem solver with expertise in cloud infrastructure, automation, containerization and system integration. Proven ability to translate technical requirements into customer-centric solutions. Military leader with a history of driving digital transformation, delivering stakeholder-aligned outcomes, and communicating value to both technical and executive audiences.

## Skills

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

## Certifications

[ISC2: Certified Information Systems Security Professional \(CISSP\)](#) ↗

[Cisco: Cisco Certified Networking Associate \(CCNA\)](#) ↗

[Azure: Microsoft Azure Administrator Associate \(Az-104\)](#) ↗, [Microsoft Azure Fundamentals \(Az-900\)](#) ↗

[CompTIA: CompTIA SecurityX](#) ↗, [CompTIA Security+](#) ↗, [CompTIA Network+](#) ↗, [CompTIA Project+](#) ↗

## Experience

### (Volunteer) 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.

### (Volunteer) Web Developer, Cybersecurity Canon

Nov 2025 – present

- Publish weekly book reviews to WordPress-hosted website, supporting content delivery for a curated cybersecurity reading resource.
- Developing a prototype website platform using modern web technologies to replace WordPress infrastructure, communicating architectural benefits and trade-offs to leadership to enable enhanced extensibility.

### Data and Information Systems Engineer, US Army

Jan 2021 – present

- Orchestrated and delivered an AI-powered search solution using Azure AI Search in collaboration with cross-functional teams, improving accessibility of over 22TB of data and shortening stakeholder decision-making time by up to 15%.
- Developed and drove adoption of a custom PowerShell module for programmatic user account auditing and management, doubling the speed of service desk ticket closures.
- Recognized upward trend in cybersecurity violations across the organization due to a lack of policy, presenting both the issue and recommendations to C-suite leadership in 3 monthly board meetings.
- Authored and successfully delivered an enterprise cybersecurity policy by aligning technical controls with business priorities, delivering C-suite buy-in and reducing violations by over 75%.
- Championed Windows server upgrades by advising leadership on risk and urgency, resulting in C-suite approval and reduced vulnerabilities on 34+ systems
- Designed and presented a tactical network and systems architecture to 5+ C-suite stakeholders, enabling buy-in for a major training event supporting over 50 end users and directly aligning technical innovation with key business objectives.
- Directed planning and implementation of a robust off-site network connection, advising key stakeholders and delivering reliable connectivity to over 50 users under challenging operational conditions.

### Executive Assistant, US Army

Feb 2020 – Jan 2021

- Led the successful alignment between C-suite leadership and technical teams in executing critical strategic initiatives, including the U.S. Army Arctic Strategy.

## Projects

### [Black Relay](#) ↗

Engineered a backend architecture using JavaScript, Express, MQTT and MongoDB to allow extensible sensor data to be displayed on a web application. Enabled data driven decision making in austere environments.

### [My Cloud Resume](#) ↗

Designed and developed a dynamic personal resume website from scratch using HTML, CSS, and JavaScript, showcasing technical skills and professional experience. Automated deployment to cloud storage account using GitHub actions, displaying hands-on experience with CI/CD concepts and tooling.

### [Homelab as Code](#) ↗

Built a CI pipeline for homelab services, rapidly testing and deploying services to Kubernetes on Talos Linux in support of multiple active users. Demonstrated ability to build and document Infrastructure as Code solutions.

### [Homelab Ansible Collection](#) ↗

Published a suite of modular Ansible roles to Ansible Galaxy, enabling repeatable server baselines and deployment of Docker containers onto a Tailscale network. Demonstrated ability to deliver reusable, community-facing infrastructure solutions.

### [Traefik Install Playbook](#) ↗

Delivered a reusable, modular Ansible solution to orchestrate Traefik reverse proxy across multiple environments, showcasing ability to build and communicate repeatable deployment strategies.

### [Bastogne Automation Tool](#) ↗

Delivered a scalable, repeatable solution that improved service desk efficiency and user onboarding experience via a custom PowerShell module.

## Education

**Webster University:** MA, Information Technology Management

**University of Wisconsin - Eau Claire:** BA, German - Liberal Arts

**Galvanize:** Graduate, Software Development Immersive (SDI) Cohort 31

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