

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

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.

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

- 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.

Projects

Black Relay ↗

Developed a full-stack IoT platform using JavaScript, Express, MQTT, and MongoDB to collect, process, and visualize real-time sensor data, enabling data-driven decision-making in resource-constrained environments.

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.

Springboot Speedrun ↗

Developed a RESTful API using Java Spring Boot to demonstrate rapid technology adoption and hands-on learning methodology in enterprise Java frameworks.

Convoy Connect ↗

Engineered a RESTful API using Node.js, Express, and PostgreSQL to streamline vehicle dispatching workflows. Collaborated with a cross-functional development team to deliver capstone project for the Galvanize Software Development Immersive, demonstrating full-stack development capabilities and database design expertise.

Bastogne Automation Tool ↗

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

Education

Galvanize: Software Development Immersive (SDI), September 2025

Webster University: MA, Information Technology Management, May 2022

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

University of Wisconsin - Eau Claire: BA, German - Liberal Arts, May 2017