Josh Noll

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Summary

Highly motivated Software Engineer with a passion for building scalable and robust solutions. Experienced in full-stack development, cloud infrastructure, and automation, with a proven track record of translating complex requirements into efficient, customer-centric software. Military leader accustomed to driving digital transformation and delivering impact through technical innovation.

Skills

Python, JavaScript, TypeScript, React, NextJS, HTML, CSS, Tailwind, SQL, Postgres, Docker, Kubernetes, Ansible, Azure, AWS, Linux, PowerShell, Bash, FluxCD, Git, CI/CD, Agile/Scrum

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: ComptTIA SecurityX ↗ , CompTIA Security+ ↗ , CompTIA Network+ ↗ , CompTIA Project+ ↗

Experience

Data and Information Systems Engineer, *US Army*   *Jan 2021 – present*
◦ Developed and drove adoption of a custom PowerShell module for programmatic user account auditing and management, doubling the speed of service desk ticket closures.
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◦ 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%.
◦ 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, 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.

Platoon Leader, *US Army*   *Mar 2019 – Feb 2020*
◦ Successfully led a team of 25 through a demanding training and validation process under high-stress conditions, achieving operational readiness. Demonstrated ability to guide cross-functional teams and manage mission-critical projects in a dynamic, high-stakes environment.
◦ Led deployment and management of secure communications equipment in dynamic environments, successfully supporting multiple operational and training missions in high stress environments.

Projects

Homelab as Code ↗
Designed and implemented a GitOps-based CI/CD pipeline for homelab services, deploying to Kubernetes on Talos Linux with FluxCD. Manages secrets with SOPS and age, and utilizes Tailscale for secure remote management, showcasing advanced Infrastructure as Code and automation expertise.

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.

Convoy Connect ↗
Engineered a full-stack web application that streamlines the vehicle dispatch process by digitizing Preventative Maintenance Checks and Services (PMCS) and automating dispatcher workflows. Implemented the PERN stack (PostgreSQL, Express, React, Node.js) to shorten vehicle dispatch time from over 3 hours to just a few minutes.

My Cloud Resume ↗
Developed a dynamic personal resume website from scratch using HTML, CSS, and JavaScript, showcasing technical skills and professional experience. Automated deployment to Azure Blob Storage using GitHub Actions, demonstrating hands-on experience with CI/CD concepts and tooling.

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