

CHRISTOPHER WAGNER

Email: christopherwagner0700@gmail.com
Address: Shrewsbury, Pennsylvania, United States

LinkedIn: <https://www.linkedin.com/in/cwagnerdevops>
Website: <https://chriswagner.dev>

PROFESSIONAL SUMMARY

Software developer and cloud engineer specializing in cloud modernization, platform engineering, and secure systems architecture. Currently supporting NAVSUP Business Systems Center's AWS GovCloud and enterprise Kubernetes modernization efforts, with hands-on work across Infrastructure as Code, STIG automation, CI/CD security integrations, and containerized application platforms. Known for translating complex modernization goals into practical engineering patterns that improve reliability, security, repeatability, and team velocity.

CORE COMPETENCIES & SKILLS

Core Competencies

Cloud Architecture • Systems Engineering • Platform Engineering • Kubernetes/EKS • Infrastructure as Code • DevSecOps • Container Security • STIG Automation • CI/CD Security • Software Supply Chain Security • AWS GovCloud • RMF-Aligned Engineering • Zero Trust • Technical Leadership

Technical Skills

Cloud: AWS, AWS GovCloud, EKS, EC2, VPC, S3, SSM, Lambda, ECS, CloudFront, IAM, Route 53, RDS

IaC & Programming: Terraform, AWS CDK, CloudFormation, Ansible, Chef InSpec, Bash, PowerShell, TypeScript, Python, Golang, Java, Node.js, YAML, JSON

Containers & DevSecOps: Kubernetes, Kustomize, Helm, ArgoCD, GitOps, Docker, GitHub Actions, GitLab CI, Azure DevOps

Security: RMF, Zero Trust, IAM, RBAC, ABAC, Open Policy Agent, SBOM, VEX, SLSA, attestations, compliance automation

PROFESSIONAL EXPERIENCE

NAVSUP Business Systems Center; Mechanicsburg, Pennsylvania

June 2022 - Present

- Coordinate with government and contractor engineering teams to architect a multi-tenant enterprise Kubernetes strategy expected to support 30+ application teams.
- Develop AWS CDK, Kubernetes, Ansible, and CI/CD automation to support secure tenant onboarding, application deployment, platform modernization, and repeatable cloud operations.
- Build Infrastructure as Code, Kubernetes automation, CI/CD security integrations, STIG automation, and secure deployment patterns for containerized application environments.
- Transform lengthy manual compliance activities into on-demand capabilities by developing STIG automation for Linux, Windows, Kubernetes, EKS, RDS, and cloud-hosted services.
- Engineer automation that reduced non-production cloud compute costs by approximately 75% through scheduled start/stop workflows.

SecurEd Inc.- DevSecOps Engineer; Towson, Maryland

October 2020 - Present

- Architected and modernized AWS-hosted systems using containerized three-tier application patterns, REST APIs, event-driven batch processing, queues, MongoDB, and secure service-to-service communication.
- Built Terraform Infrastructure as Code to provision repeatable AWS environments across development, sandbox, staging, and pre-production, reducing developer environment provisioning to under 15 minutes.
- Led cloud engineering and DevSecOps improvements across CI/CD, automated testing, monitoring, IAM, RBAC/ABAC authorization, SSO consolidation, containerized development workflows, and secure release practices.
- Supported AI-enabled modernization using AWS-native services for vector stores, indexing, natural language search, knowledge bases, retrieval-based features, and Model Context Protocol integrations for existing APIs.

EDUCATION

Towson University | Master of Science, Computer Science (Cybersecurity) | Towson, MD | December 2024 | GPA: 4.0

- Conducting a thesis on Zero Trust architecture within CI/CD environments to enhance secure, continuous deployment frameworks.
- Awarded DoD CSA scholarship for 1.5 years, supporting advanced studies in cybersecurity.

Towson University | Bachelor of Science, Computer Science (Cyber Operations) | Towson, MD | May 2023 | GPA: 3.805 (Cum Laude)

- Awarded DoD CSA scholarship for two years in recognition of academic excellence.

CERTIFICATIONS

Amazon Web Services (AWS) | AWS Certified Security - Specialty | April 2026

ISC2 | Certified Cloud Security Professional (CCSP) | October 2025

Linux Foundation | Kubernetes and Cloud Native Associate (KCNA) | May 2025

Amazon Web Services (AWS) | AWS Certified Solutions Architect - Associate | August 2024

Amazon Web Services (AWS) | AWS Certified Cloud Practitioner | July 2023

PROJECTS

EKS DevSecOps Platform

- Developed an Amazon EKS-based DevSecOps platform on AWS Commercial using Infrastructure as Code and Helm to deploy mature open-source platform engineering and DevSecOps tooling from the CNCF ecosystem.

OSS Image Compliance Pipeline

- Designed a GitHub Actions-first container image compliance pipeline that ingests upstream images, mirrors them to GHCR, scans them, generates attestations, and attaches compliance evidence to immutable image digests.
- Implemented standards-based evidence generation using SBOM, VEX, vulnerability, provenance, STIG, and FIPS attestation formats to support transparent and reproducible container supply chain workflows.

Kubernetes STIG Baseline EKS Overlay

- Developed an open-source Chef InSpec overlay implementing the DISA Kubernetes STIG for Amazon EKS clusters, adding EKS-specific inputs, helper resources, and documented exemptions for managed control plane components.

kube-raid

- Built a TypeScript-based Kubernetes offensive security and red-team framework to simulate adversarial behavior inside Kubernetes environments using modular, ATT&CK-aligned techniques.