

Bradley Peatross

peatrossbs@gmail.com ♦ (385) 441-4250 ♦ Syracuse, UT

Active Clearance

WORK EXPERIENCE

Northrop Grumman

June 2023 – Present

Sentinel Staff DevSecOps Engineer (Top Secret)

Northrop Grumman Roy Innovation Center, UT

- Revitalized & Transformed Kubernetes Platform: Led stabilization and complete re-architecture of an unmanaged on-premise Kubernetes environment (Spectro CAPI/vSphere) across three classified enclaves; subsequently managed data migrations to the new platform and established full lifecycle sustainment processes (monitoring, upgrades, backups).
- Expanded & Optimized Cluster Infrastructure: Designed and deployed dedicated Test clusters (for dev/testing), new Production clusters (for in-house applications), and GitLab Runner clusters across enclaves, enhancing development cycles and resolving CI/CD performance bottlenecks.
- Implemented Modern Kubernetes Ecosystem: Engineered and deployed core infrastructure services including Istio (ingress/service mesh), MetallLB (LoadBalancer), Kube-Prometheus-Stack (monitoring), Loki (logging), Kyverno (policy), Nexus (artifacts), Keycloak (SSO/OIDC), and Velero (Backups) and GitLab.
- Established GitOps & IaC Practices: Implemented GitOps workflows using FluxCD and GitLab for automated, version-controlled infrastructure (IaC) and application deployments, primarily leveraging Helm charts.
- Enhanced Security & Access Control: Deployed Keycloak for centralized Single Sign-On (SSO) and integrated OIDC (kubelogin) for secure, role-based developer access to distinct Kubernetes namespaces.
- Mentored & Guided Engineering Team: Functioned as a Kubernetes technical lead, defined Agile tasks, and actively mentored junior engineers on Kubernetes, GitOps, IaC, and DevSecOps best practices.

United States Air Force, 519th Mission Planning

May 2020 – June 2023

DevOps Cloud Administrator / Software Developer (Secret)

HILL AFB, UT

- Managed deployment & lifecycle of AirForce Mission Planning software on Azure Kubernetes Services (AKS) within DevOps/CI/CD pipelines, ensuring security compliance, troubleshooting, and public connectivity.
- Established & administered a DISA-hosted cloud development environment (networks, firewalls, VMs) for 519th dev teams, meeting security/tooling needs; enabled participation in a \$4.5M annual contract & supported pandemic telework capabilities.
- Developed reusable C# .NET common libraries adhering to organizational microservice standards, reducing development time across all .NET teams.

Defense Information Systems Agency (DISA)

Dec 2016 – May 2020

Data Center Installation Team Lead (Top Secret)

HILL AFB, UT

- Led engineering team executing data center hardware installations, configurations, & removals using ITIL/Change Management.
- Coordinated stakeholders & external technicians; monitored team productivity & ensured adherence to standards.

Marine Corps Network Operations Security Center (MCNOSC)

June 2013 – Dec 2016

Enterprise Directory Messaging Lead (Top Secret)

Camp Foster, Japan

- Managed enterprise services (Microsoft, VMware, Cisco, Juniper, PKI), personnel, & inventory for MCEN WestPAC region.
- Ensured DoD security compliance across physical/virtual infrastructure; led AD & Exchange migrations via Remedy ITMS.

U.S. Marine Corps

Aug 2010 – Jun 2013

Senior Systems Administrator (Secret)

Camp Foster, Japan

- Administered VMware server farm (upgraded v3.0 -> v5.0) & BackupExec solutions.

- Managed security, WSUS, and incident response for SharePoint, SQL, & Windows Server environments.

Smartronix

Sep 2009 – Aug 2010

Senior SharePoint Administrator (Secret)

Torii Station, Japan

- Secured contract with 1/1 SFG(A); designed & implemented efficient SharePoint solution integrated with Microsoft Office 2007 based on customer requirements.

Smartronix

Apr 2007 – Sep 2009

Senior SharePoint Administrator (Secret)

Camp Foster, Japan

- Implemented & managed MOSS 2007 / WSS 3.0 from test to production (600 sites, 7k+ users, 5.6GB/day bandwidth).
- Executed seamless upgrades from WSS 2.0/3.0 to MOSS 2007.

Smartronix

Jan 2007 – Apr 2007

Senior Systems Administrator (Secret)

Fallujah, Iraq

- Executed complex system migrations (Windows Server, SharePoint, SQL, Exchange, Citrix, etc.) between Tactical Collaborative Work Suites (TCWS) for rotating units in Iraq using VMware.

Smartronix

Oct 2006 - Jan 2007

Virtual System Administrator (Secret)

Camp Courtney, Japan

- Installed hardware & virtual infrastructure for the Collaborative Information Environment (CIE) project across three networks (SharePoint, DC, Exchange, SQL).

ITS Corporation

Dec 2005 – Oct 2006

System Administrator (Secret)

Camp Foster, Japan

- Windows domain administration for 2,500 users/1,500 computers, including security updates, maintenance, backups, & login script configuration

U.S. Marine Corps

Dec 2001 – Dec 2005

Active Duty (E5) Tactical Network Specialist / System Administrator (Secret)

Camp Foster, Japan

- Administered multiple classified networks (>5k users), managing core services (SQL, DNS/WINS, VPN/RAS, Exchange) & Veritas backups.
- Provided help desk/account management & supported deployed operations (Iraq/Thailand).

EDUCATION

Weber State

Dec, 2020

BS Computer Science (cum laude 3.74 GPA)

Syracuse, Ut

CERTIFICATIONS, SKILLS & INTERESTS

- **Nov 2023: Certified Kubernetes Administrator (CKA)**
- **Current, June 2014: Certified Information Systems Security Professional (CISSP)**
- **Mar 2017: Red Hat Certified System Administrator – (RHCSA)**
- **May 2015: Certified Ethical Hacker (CEH)**
- **Sep 2012: MCITP: Server Administrator on Windows Server 2008**
- **Nov 2011: VMware Certified Professional (VCP 4)**
- **Aug 2009: Configuring Microsoft Office SharePoint Server 2007**
- **Mar 2009: Microsoft Certified Systems Engineer (MCSE 2003)**
- **2008 CompTIA Security+ Network+ A+**
- **Skills:** Kubernetes (CKA, Spectro CAPI, AKS), GitOps (FluxCD), DevSecOps (CISSP), Azure, Istio, Helm, GitLab (Platform/CI/Runners), Terraform, Ansible, Docker, Podman, On-Premise (vSphere), Linux (RHCSA), C# .NET
- **Interests:** Snowboarding, hiking, mountain bike riding, gaming, activities with family.