# Hamil Dimapanat

Cloud Engineer | Active TS/SCI Clearance

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## Experience

**Northrop Grumman**, Cloud Engineer — Nov 2026 - Present

- Working with IAC (Terraform), K8s, AWS, Azure, Gitops, Ansible, CI/CD

**BAE Systems**, Systems Administrator II — U.S. Air Force Research Lab, Rome, NY, May 2025 - Nov 2026

- Provisioned and administered multi-node RHEL environments running production-grade Kubernetes (RKE2) clusters; managed application lifecycle, workload deployment, and rolling updates utilizing Helm, Zot, and k9s.
- Implemented rigorous container security and cluster governance best practices, including role-based access control (RBAC), namespace isolation, network policies, and secure secrets management.
- Authored and deployed Ansible playbooks to automate configuration management, security hardening, and patch updates across 120+ RHEL virtual machines, minimizing drift and ensuring baseline compliance.
- Designed and deployed containerized Prometheus and Grafana observability stacks to monitor cluster health, node resource utilization, and application performance metrics in real time.
- Planned and executed the end-to-end infrastructure migration of 45+ enterprise workloads from VMware ESXi to Proxmox VE with zero data loss and zero unexpected downtime, optimizing platform performance and licensing costs.
- Administered physical Dell PowerEdge server hardware clusters, managing network interface card (NIC) upgrades, secure re-imaging, and hardware decommissioning.

**Mount Sinai Health System**, IT Desktop Support Specialist — New York, NY, August 2024 - March 2025

- Provided technical support and platform troubleshooting for 300+ enterprise users, resolving infrastructure, AV, and identity management issues via ServiceNow.
- Managed Identity and Access Management (IAM) lifecycle workflows via SailPoint and Active Directory, handling provisioning, access reviews, and RBAC governance.
- Administered enterprise cloud and productivity platforms including Google Workspace, SharePoint, and Zoom.

## Education & Certifications

**Computer Science (B.S.)**, State University of New York at New Paltz — Completed - 2023

**AWS Certified Cloud Practitioner** — Mar 2024

**CompTIA Security+ SY0-701** — Dec 2024

## Projects & Labs

**Automated AWS Deployment Pipeline** - (AWS, ECR, VPC, RDS, Terraform) — AWS Project Link

- Provisioned a secure, multi-AZ AWS VPC network architecture utilizing Terraform to host containerized full-stack microservices on AWS ECS backed by an RDS PostgreSQL database.
- Authored GitHub Actions CI/CD workflows to automate container builds, automated testing, and seamless deployments to Amazon ECR.

**Proxmox Virtualized Microservices Infrastructure** - (*Arr, Proxmox, ZFS, RAID, NGINX, Cloudflare) — Media Server Project Link

- Architected a multi-container hypervisor environment utilizing Proxmox LXC containers to segregate networking, database, and application runtimes.
- Implemented secure network-edge protections using Cloudflare Tunnels and NGINX Proxy Manager for zero-open-port remote management.

## Technologies

**Container Platforms & Orchestration:** Kubernetes (RKE2), OpenShift-adjacent architectures, Proxmox VE, VMware ESXi, Helm, Docker, Zot Registry, k9s

**Infrastructure as Code & Automation:** Terraform, Ansible, GitHub Actions CI/CD, Bash, Python

**Cloud & Networking:** AWS (VPC, EC2, ECS, ECR, S3, RDS), Active Directory, DNS, NGINX, Cloudflare Tunnels
**Security & Governance:** RBAC, Network Policies, Pod Security, Secrets Management, PKI/TLS
**Observability & Operations:** Prometheus, Grafana, ServiceNow, IAM (SailPoint)