

Hamil Dimapanat

Systems Administrator II | Active Top Secret/SCI Clearance

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Experience

BAE Systems, Systems Administrator II

- Managed enterprise RHEL and Windows core infrastructure, leveraging Active Directory, GPOs, and firewall configurations to maintain strict security postures across multi-tenant environments.
- Led the end-to-end migration of enterprise infrastructure from VMware to Proxmox with zero data loss, drastically reducing licensing costs.
- Engineered a containerized Prometheus/Grafana stack to centralize monitoring for bare-metal Proxmox clusters, replacing manual per-node health checks.
- Provisioned RHEL VMs on Proxmox to deploy RKE2 clusters, utilizing Helm, Zot registry, and k9s to manage, troubleshoot, and optimize YAML-defined application deployments.
- Automated patch management and system updates across RHEL VMs using Ansible, streamlining routine maintenance and ensuring security compliance.
- Managed the physical server lifecycle for Dell PowerEdge clusters, executing hardware upgrades (NICs), system reimaging, and secure hardware decommissioning.

U.S. Air Force Research Lab
Rome, NY
May 2025 - Present

Mount Sinai Health System, IT Desktop Support Specialist

- Supported 300+ end users with ServiceNow, imaging, VoIP, and AV (Zoom, Poly, Crestron).
- Managed IAM via SailPoint, handling provisioning, de-provisioning, and access reviews.
- Administered Google Workspace, SharePoint, Moodle LMS, Echo360, and Zoom platforms.

New York, NY
August 2024 - March 2025

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

RHCSA

In Progress

Projects & Labs

Proxmox Virtualized Microservices Infrastructure - (*Arr, Proxmox, ZFS, RAID, NGINX, Cloudflare)

[Media Server Project Link](#) [🔗](#)

- Designed and managed a self-hosted hypervisor environment utilizing Proxmox LXC containers to segregate core networking, database, and application layers.
- Engineered an automated, end-to-end media acquisition pipeline with *arr-suite services, optimizing local storage pools and data management workflows.
- Implemented secure external ingress and network-edge protections using Nginx Proxy Manager, Cloudflare tunnels, and Pi-hole for localized DNS-layer ad blocking.

Automated AWS Deployment Pipeline - (AWS, ECR, VPC, RDS, Terraform)

[AWS Project Link](#) [🔗](#)

- Provisioned a secure, multi-AZ AWS VPC architecture utilizing Terraform to host a containerized full-stack CRUD application on AWS ECS and RDS.
- Authored GitHub Actions CI/CD workflows to automate Docker image builds, multi-stage testing, and seamless deployments to Amazon ECR.

Technologies

Databases & Tools: Ansible, SQL, AWS S3, AWS EC2, Terraform, React, Node.js, Flask

Cloud & Orchestration: AWS (EC2, ECS, ECR, S3, RDS, VPC), RKE2 (Kubernetes), Proxmox VE, VMware ESXi

Infrastructure as Code & Configuration: Ansible, Terraform, Helm, GitHub Actions

Operating Systems & Networking: RHEL, Windows Server, Active Directory, DNS, Tailscale, Pi-hole

Languages & Databases: Python, Bash, PowerShell, JavaScript/TypeScript, SQL, PostgreSQL