New York City Metropolitan Area

nuel **Calvert**

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Computer Engineering professional with expertise in infrastructure automation, networking, and systems troubleshooting.

Experience_____

Remote, New York City Metropolitan Haivision Area **TECHNICAL SUPPORT ENGINEER** Jul. 2022 - Present · Identify and resolve deployment problems while effectively coordinating with cross-functional teams • Implement and maintain monitoring solutions to proactively address system issues • Troubleshoot complex network configurations and streaming media infrastructure • Develop and document standard operating procedures for critical system components · Provide technical guidance to internal teams and external clients **University of Delaware EECIS Department** Newark, DE LAB STAFF Jun. 2019 - Aug. 2021 · Maintained university servers and computer systems for web hosting, data backups, and production · Developed and maintained university-sponsored technical projects · Assisted with system administration and infrastructure support tasks · Implemented automation for routine maintenance procedures **University of Delaware Machine Learning** Newark, DE Jun. 2020 - Aug. 2020 **Research Intern** Developed network intrusion detection systems (IDS) using machine learning techniques Implemented GAN-based approaches for anomaly detection in network traffic Containerized solutions using Docker for deployment flexibility Created documentation and testing procedures for research outcomes Dohop ehf. Reykjavik, Iceland Software Engineer Jun. 2019 - Aug. 2019 • Developed full-stack solutions using ReactJS for frontend web interfaces · Engineered backend metabooking services to manage airline reservations Collaborated in an international team environment with agile methodologies • Implemented CI/CD pipelines for continuous deployment **Projects**

Homelab Kubernetes Infrastructure

Personal Project

- Designed and implemented multi-environment Kubernetes clusters running on Proxmox VMs
- Created complete infrastructure-as-code solution using Terraform, Ansible, and GitOps methodologies
- Developed automation for the entire infrastructure lifecycle from VM template creation to application deployment
- Implemented monitoring stacks with Prometheus/Grafana and self-hosted DNS solutions
- · Architected environment-specific configurations while maintaining common base components

Education

University of Delaware

BACHELOR OF ENGINEERING IN COMPUTER ENGINEERING

- GPA: 3.5/4.0
- Dean's List Honors

Leadership_____

May 27, 2025

Newark, DE Graduated May 2022

Hackathon Club, University of Delaware

President

- Led organization of hackathon participation for university students
- Facilitated rapid prototyping and development workshops

Linux Users Group, University of Delaware

President

- Organized educational events on open-source software implementations
- Designed curriculum for members with varying technical competency levels

Technical Skills

Infrastructure Kubernetes, Docker, Proxmox, Terraform, Ansible, GitOps

Programming Python, C, Rust, Java, JavaScript

DevOps CI/CD, Infrastructure Automation, Configuration Management

Networking DNS, Load Balancing, Network Architecture, Security

Tools Git, Linux, Prometheus, Grafana, Traefik, Cert-Manager

Newark, DE Sep. 2019 - Jun. 2020

Newark, DE May 2019 - Jun. 2022