Ian Knight

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Professional Summary

Cloud and network engineering student, CompTIA Security+ certified, and active duty service member. Hands-on experience running Linux services, monitoring containers, and building tools for network troubleshooting.

Technical Skills

Infrastructure: Linux, Proxmox VE, Docker, Docker Compose, Uptime Kuma, systemd, cron

Networking and security: TCP/IP, DNS, DHCP, subnetting (VLSM), UniFi, Tailscale, Cloudflare Tunnel, Zero Trust access

Scripting and tools: PowerShell, Bash, Python, JavaScript, Git, GitHub

Technical Projects

Homelab Infrastructure — Run Proxmox VE on a Dell PowerEdge with a segmented network. Monitor 32 Docker containers and scheduled cron jobs with Uptime Kuma. Manage remote access through Cloudflare Tunnel and Zero Trust.

NetOps Workspace — Built 13 offline networking tools and practice labs in one HTML file, including a subnet calculator, topology builder, and labs for DNS, routing, and firewalls.

IP Discovery — Wrote PowerShell, Bash, and Python scripts that combine ping, TCP probes, and ARP data to identify responding hosts. The Windows version also reads DHCP scopes.

Professional Experience

Active Duty Service Member
2024–Present
- Support daily military operations and participate in scheduled training.

General Construction
Approximately 3 years before military service
- Performed general labor and skilled trade work on construction projects.

Warehouse Associate / Forklift Operator, Amazon
Approximately 1 year before construction
- Operated forklifts at an Amazon fulfillment center.

Education

B.S. in Cloud and Network Engineering — In progress

Certifications

CompTIA Security+