

Tyler George

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PROFESSIONAL SUMMARY

Hands-on IT and cybersecurity professional with experience designing, deploying, and securing virtualized and containerized infrastructure. Strong background in Linux administration, Proxmox virtualization, ZFS storage, Docker, automation, and secure networking. Proven ability to troubleshoot systems, implement Zero Trust access, and build enterprise-style environments through real-world homelab projects.

PROJECT EXPERIENCE

Homelab Infrastructure | Proxmox, ZFS, Linux

- Built and maintained a single-node Proxmox environment with ZFS-backed storage
- Deployed multiple LXC containers and virtual machines to simulate enterprise infrastructure
- Implemented shared storage mount points with secure permissions across services
- Planned and tested migration strategy from LXC containers to Docker

Secure Remote Access with Cloudflare Zero Trust

- Implemented Cloudflare Tunnels to provide secure remote access without exposing firewall ports
- Configured Nginx Proxy Manager for reverse proxying and SSL certificate management
- Reduced attack surface by applying Zero Trust networking principles

Security Lab Environment

- Built an isolated security testing network using VLANs and firewall segmentation
- Practiced offensive and defensive techniques using Kali Linux and Metasploitable
- Configured OPNsense firewall for routing, filtering, and policy enforcement

EDUCATION

Self-directed technical education through hands-on labs, documentation, and continuous learning in IT and cybersecurity.

CERTIFICATIONS

- CompTIA Network+ (In Progress)
- CompTIA Security+ (Planned)
- OSCP (Planned)
- CCNA (Planned)
- Azure (Planned)

