

Albert Weiner

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Summary

Detail-oriented Technical Specialist with a strong foundation in Networking and Cybersecurity. Proficient in Linux (Debian/Arch) and Windows, Docker, Powershell, and modern infrastructure technologies, combining advanced technical training with a background in high-pressure operations and maintenance. Skilled at troubleshooting hardware, software, and physical systems under demanding conditions. Seeking to apply a disciplined and analytical approach to a professional role within the broader IT and Security space.

Educational Experience

Minneapolis Community and Technical College | Minneapolis, MN

A.A.S. Computer Networking | Graduated: December 2025

A.A.S. Cybersecurity | Graduated: December 2025

A.S. Mathematics | Graduated: May 2025

Certifications | In progress

CompTIA Security+ (In pursuit)

CompTIA CySA+ (In pursuit)

IPC 7711/21 & IPC 610 (In pursuit)

Technical Projects: Homelab & Network Infrastructure

Systems Architecture: Engineered a custom SFF server by performing a full hardware overhaul, including motherboard migration, NVMe storage integration, and GPU installation for hardware-accelerated transcoding.

Network Security & Segmentation: Hardened home network security by implementing **VLAN segmentation** on an **OpenWRT**-flashed router to isolate "untrusted" IoT devices from the primary production environment.

Access Control: Enforced a **deny-by-default** posture using MAC address filtering and transitioned to **SSH key-based authentication**, entirely disabling password logins to mitigate brute-force risks.

Containerization: Manage 10+ services using **Docker** Compose and Portainer, customizing YAML configurations for media hosting (Plex/Jellyfin), game servers, and network utilities.

Data Integrity & Syncthing: Developed a tiered recovery strategy using **system-level snapshots** for rapid restoration and Syncthing for automated, cross-device synchronization of critical configuration files.

Infrastructure Monitoring: Utilized **Grafana** to monitor system telemetry, specifically tracking 24/7 uptime metrics and network bandwidth consumption to identify performance bottlenecks.

Remote Connectivity: Configured a secure Tailscale **VPN mesh network** to enable encrypted, low-latency remote administration without exposing vulnerable ports to the public internet.

Technical Skills

Networking

VLAN segmentation, TCP/IP, VPN (Tailscale mesh), DHCP/DNS, OpenWRT, Remote Administration.

Cybersecurity

Network hardening, SSH key-based authentication, Deny-by-Default posture, MAC address filtering.

Infrastructure & Virtualization

Docker Compose, Portainer, YAML configuration, SFF server architecture, NVMe integration.

Monitoring & Data

Grafana (telemetry & metrics), Syncthing (data sync), System-level snapshots, Uptime tracking.

Physical & Electrical

240V power distribution, High-PSI infrastructure, Hardware troubleshooting, Mechanical diagnostics.

Operational Tools

Linux CLI, Specialized hand/motorized tools, Heavy equipment (Kubota/Toolcat/Trucks), Chemical testing & safety.

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Technical and Maintenance Experience

— **The Loppet Foundation** | November 2025 – Present

Hardware Maintenance & Diagnostics: Managed a fleet of **SMI fan guns** (60A and 30A models); performed on-unit troubleshooting and mechanical adjustments to ensure 24/7 operation.

Field Monitoring: Conducted manual system checks using physical pressure dials and gauges to monitor equipment health and output in extreme winter environments.

Power Distribution: Supported the deployment and maintenance of **240V electrical supply lines** and distribution points across a 7km trail system.

High-Pressure Infrastructure: Handled the setup and operational monitoring of high-PSI water lines and hydrants, ensuring secure connections and system integrity during snowmaking cycles.

Systematic Deployment: Executed the phased layout of snow infrastructure, coordinating the movement of heavy equipment and hardware to meet operational deadlines.

— **Minneapolis Parks and Recreation Board** | May 2025 – August 2025

Multi-Site Logistics: Managed facility maintenance and grounds-keeping across the "Upper South" service area, covering the West River Parkway from Bohemian Flats to Lock and Dam 1.

Environmental Monitoring: Collaborated with a team to perform systematic chemical testing of 5+ aquatic facilities; verified and logged chlorine and alkalinity levels to ensure strict adherence to health and safety standards.

Equipment & Fleet Operations: Safely operated and performed basic upkeep on a variety of vehicles and machinery, including **Trucks, Toolcats, and Kubota units**, to complete regional maintenance tasks.

Infrastructure Maintenance: Utilized a range of specialized tools, including motorized saws and drills, to maintain and repair park hardware and physical assets.

Team Collaboration: Worked within a coordinated team environment to prioritize tasks and ensure high-traffic public areas remained operational and safe.