

# Andrew Shutov

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## TECHNICAL SKILLS

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**Systems Administration:** Windows Server, Active Directory, Group Policy, Linux administration (Ubuntu, Debian, Fedora, Arch, FreeBSD), user & access management, system patching, firmware updates, log analysis & troubleshooting  
**Virtualization & Storage:** Proxmox VE, VMware, Hyper-V, Docker, Podman, TrueNAS, ZFS, RAID, pfSense  
**Automation & Scripting:** Python, Bash, PowerShell, Ansible, systemd, rsync, SSH, SQL, cron/scheduled tasks  
**Networking:** TCP/UDP/IP, DNS, DHCP, VLANs, LAN & WAN, SSL/TLS, VPN configuration (WireGuard, OpenVPN), switch configuration, Windows Firewall, wireless/AP management, Nmap, tcpdump, Wireshark  
**Hardware & Data Center:** Server builds & component replacement, IPMI/BMC, iDRAC/iLO, UEFI/BIOS, POST diagnostics, structured cabling, PDUs, racking/stacking

## CERTIFICATIONS

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**CompTIA Network+** | **Cisco CCNA** (in progress, expected 2026)

## EXPERIENCE

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### Lab Data Center Tech

2025 – Present

*Microsoft vendor under Biblioso*

*Microsoft Campus, Redmond, WA*

- Performed hardware bring-up, OS/firmware configuration, and diagnostics across AMD, Intel, Nvidia, Cobalt, Miya, Delta, Lenovo, and Dell server platforms, including UEFI/BIOS configuration and out-of-band management via BMC/IPMI.
- Installed, configured, and maintained server blades, 415v/60A power shelves & power whips, routers, and switches across large-scale production racks in lab datacenter environments.
- Diagnosed and resolved hardware failures including SoC replacements, PSU swaps, NIC failures, and storage drive replacements, restoring systems to production readiness.
- Consistently met SLAs in a fast-paced environment with rapidly evolving hardware revisions through structured ticket management and resolution tracking in Azure DevOps.

### IT Administrator (Sole IT Staff)

2021 – 2025

*ProGranite Surfaces LLC*

*Mukilteo, WA*

- Served as sole administrator for all company IT: servers, workstations, networking, user accounts, printers, and line-of-business systems for daily operations.
- Redesigned and deployed full company network infrastructure (UniFi Dream Machine Pro, L3 switches, APs, fiber uplinks) with VLAN segmentation and inter-VLAN access policies, doubling throughput (500Mbps to 1Gbps) and improving reliability.
- Administered Windows endpoints and servers: firewall policy, local DNS, static IP assignment for CNC systems, VPN remote access, and IP camera NVR integration; monitored overall network and system health.
- Managed procurement, installation, and lifecycle of IT hardware including servers, switches, printers, and 10+ custom-built PCs; provided end-user support and training.

### Homelab & Projects

2020 – Present

*Self-Directed*

*Mukilteo, WA*

- Built and maintain a multi-node Proxmox VE environment with ZFS storage, VM provisioning, snapshot/backup strategy, and HA testing; administered 50+ Linux instances over 5+ years across professional and homelab environments.
- Automated infrastructure with Ansible playbooks for reproducible, idempotent deployments, significantly reducing provisioning and recovery time.
- Implemented centralized identity management with Authentik: SSO, MFA, and fine-grained access policies across all self-hosted services.
- Deployed and maintain containerized services (Traefik, NGINX, Portainer, Watchtower) with automated SSL/TLS certificate management and VLAN-segmented networks.

## EDUCATION

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### Edmonds Community College

Edmonds, WA

*Associate of Arts, Direct Transfer Agreement*