

J. BROCK CALLAHAN

Cybersecurity Professional · Linux Infrastructure & Security Operations

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PROFILE

Cybersecurity professional with a B.S. in Cybersecurity and Information Assurance and nearly a decade of hands-on Linux infrastructure experience. Manages production servers end-to-end: OS installation and hardening, firewall and SELinux policy, web server and reverse proxy configuration, TLS certificate automation, DNS record management, and shell-scripted administration. Holds a full CompTIA certification stack through CySA+ and Pentest+ with active RHCSA exam preparation. Brings a build-it-and-secure-it discipline developed through independent contracting across public-safety, e-commerce, and communications infrastructure. Clearance-eligible and seeking a role where Linux depth, security operations skills, and direct communication make an immediate contribution.

EXPERIENCE

Independent IT Contractor

January 2016 – Present

Self-employed · Remote

- Administered Linux servers (Ubuntu/Debian) on DigitalOcean, performing OS hardening, firewall/iptables configuration, SELinux policy enforcement, systemd service management, SSH key-based access control, and automated TLS certificate renewal via certbot.
- Configured and maintained nginx as a reverse proxy and web server, managing virtual hosts, TLS termination, HTTP security headers, and proxy_pass rules for multiple production domains.
- Deployed and administered a Prosody XMPP communications server with MUC rooms, HTTP file upload (XEP-0363), message archiving (mod_mam), and Let's Encrypt certificate integration, managing DNS SRV and A records for service discovery.
- Wrote and maintained Bash shell scripts for server administration tasks including log rotation, backup automation, service health checks, and bulk configuration management.
- Architected and maintained a WordPress multi-site ecosystem for a national wellness organization, handling site onboarding, continuous maintenance, security hardening, and Tier 1–2 technical support.
- Built and maintained a digital library platform integrating Stripe and WooCommerce payment processing with ongoing security oversight and PCI-adjacent configuration.
- Developed and deployed the front-end for a live emergency fire alert system (avalerts.org), ensuring reliability and uptime for a public-safety use case.
- Managed DNS zones and records (A, CNAME, MX, SRV, TXT/SPF/DKIM) across multiple domains using registrar and DigitalOcean DNS interfaces.

EDUCATION

B.S. in Cybersecurity and Information Assurance

Graduated August 2025

Western Governors University · Salt Lake City, UT

- Capstone: Designed and implemented a Single Sign-On (SSO) system for a non-profit organization, covering identity management, authentication architecture, and secure access control.

CERTIFICATIONS

CompTIA A+ · Network+ · Security+ · CySA+ · Pentest+ · Project+
ITIL® 4 Foundations · LPI Linux Essentials

In progress: Red Hat Certified System Administrator (RHCSA)

TECHNICAL SKILLS

Linux Administration: Ubuntu/Debian server management, systemd, firewall/iptables, SELinux, cron, journalctl, user/group/permissions management, SSH hardening, LVM, package management (apt, yum/dnf)

Networking & Services: nginx (reverse proxy, virtual hosts, TLS termination), DNS (A, CNAME, MX, SRV, TXT/SPF/DKIM), XMPP (Prosody), SSL/TLS certificate management (certbot/Let's Encrypt)

Security Operations: Vulnerability assessment, penetration testing methodology, OS and application hardening, log monitoring and alerting, firewall rule management, incident response concepts

Scripting & Tools: Bash shell scripting, Git, awk/sed, command-line administration, Hugo, Python (scripting)

Platforms: DigitalOcean (VPS, DNS, networking), WordPress (multi-site), WooCommerce, Stripe

Compliance & Frameworks: ITIL 4, NIST CSF, DoD 8570/8140 baseline (Security+), CompTIA CySA+ (threat intelligence, incident response)