

BENJAMIN HUDSON

📍 Remote / Ohio | Linux · Automation · Infrastructure · Cloud

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SUMMARY

Systems & Infrastructure Engineer with hands-on experience designing, automating, and maintaining distributed Linux environments. Skilled in troubleshooting, scripting, and containerized deployment across on-prem and cloud systems. Focused on reliability, simplicity, and measurable uptime improvements rather than unnecessary complexity.

Specialties: Linux Administration · Automation · DevOps · Self-Hosting · Reverse Proxies · Monitoring · Cloud Integration

CORE COMPETENCIES

Systems & Networking: Linux (Debian / Ubuntu / Rocky), DNS, DHCP, VPN, NAT, SSL/TLS, routing, load balancing

Automation & Scripting: Bash, Python, n8n, systemd, cron, Ansible (familiar)

Containers & Orchestration: Docker / Docker Compose, CI/CD concepts, infrastructure as code

Web & Services: Caddy, Nginx, reverse proxy design, Cloudflare tunnels, SSL automation

Security & Resilience: Access control, firewall hardening, snapshot management, incident response

Monitoring & Observability: Custom bash health checks, Prometheus / Grafana (working knowledge)

Platforms: Nebius AI, AWS (basic), pfSense, WireGuard

EXPERIENCE

Prosper Systems / Prosper Spot — Infrastructure Lead

2022 – Present

- Designed and maintained a multi-host Linux network supporting > 10 services across API and static front-ends using Caddy and Cloudflare tunnels.
- Automated service recovery with n8n workflows (service restart, file sync, alerts), cutting downtime by $\approx 90\%$.
- Implemented root-preserving NFS and SSHFS mounts for cross-system dev without I/O degradation.
- Containerized internal apps with Docker Compose and standardized deployment scripts for repeatable builds.
- Wrote custom monitoring and auto-repair triggers for core services; improved MTTR by $\sim 70\%$.

Key results: established a fully automated self-healing stack that continues to serve multi-domain traffic with > 99.9% uptime.

Independent Operations / Homelab Infrastructure

Ongoing

- Built and maintain a self-hosted cluster (HP ProDesk & Raspberry Pi nodes) running containers for AI, web, and CI/CD workloads.
- Implemented file servers with local failover DNS and load balancing for edge + cloud architectures.
- Deployed zero-trust VPN network with WireGuard and Cloudflare for secure remote access.
- Experimented with hybrid AI compute integration (Nebius GPU nodes + local inference).

SELECT PROJECTS

AI Cluster Bootstrap — one-command deployment of multi-node LLM clusters with Docker Compose and ZeroTier.

AutoStack Deploy — Terraform + Ansible framework for provisioning and configuring cloud infrastructure with monitoring hooks.

NetAudit AutoConfig — Python tool to scan networks via Nmap and generate Ansible playbooks for auto-remediation.

SentinelAudit — AI-powered penetration-testing assistant integrating Nmap, Nikto, and LLM-based report generation.

Prosper Tutor Lite — Lightweight RAG (LangChain + FAISS) educational pipeline with FastAPI and Streamlit frontend.

Each repository demonstrates complete infrastructure lifecycle management — deployment, monitoring, and documentation.

EDUCATION

A.S. Cybersecurity & Computer Forensics — Belmont College, 2023

ACHIEVEMENTS & METRICS

- Reduced production downtime by $\approx 90\%$ through automated self-healing workflows.
- Delivered multi-domain reverse-proxy network supporting > 15 active services with zero manual failover events.
- Built open-source deployment frameworks now used across 5+ public GitHub projects.
- Maintained consistent 99.9% service uptime across Prosper Spot internal stack.

TOOLS & TECHNOLOGIES

Linux · Bash · Python · Docker · Ansible · n8n · Caddy · Nginx · Cloudflare · Nebius · AWS · pfSense · WireGuard · Git · Systemd · Rsync · Cron · Prometheus · Grafana · Terraform (basic)

Keywords: Linux Engineer · DevOps Engineer · Platform Engineer · Infrastructure Automation · Cloud Systems Administration