Aaron Hendricks

Linux Systems Administration | Infrastructure | AI Tools and Automation

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Professional Summary

Systems administrator and infrastructure builder with experience across MSP environments, enterprise technology rollouts, networking, and self-hosted Linux services. Build Python automation, AI applications, and reusable workflows for coding agents, connecting model APIs, local inference, and production tooling. Bring hands-on troubleshooting, deployment, documentation, and operational ownership from infrastructure through the user interface.

Technical Skills

Linux and Infrastructure: Ubuntu Server 24.04/26.04, Proxmox VE, Docker, Kubernetes/k3s, Longhorn, nginx, SSL/TLS, backup and recovery.

Networking and Identity: VLANs, pfSense, Cisco Meraki, UniFi, WireGuard/Headscale, Active Directory, GPO, Entra ID SSO, Microsoft 365, SPF/DKIM/DMARC.

Automation and AI: Python, Bash, PowerShell, Git, Flask, REST APIs, SQL, PWAs, AI coding agents, Claude, Ollama, Whisper, Kokoro, Qwen3-TTS, Blender, FFmpeg.

Professional Experience

High Ground Web | Founder / Infrastructure and Web | May 2026–Present

- Operate a small-business hosting and deployment platform; manage domains, nginx reverse proxies, TLS certificates, and Flask backends from provisioning through ongoing support.
- Build web applications and PWAs using AI-assisted development, translating workflow needs into interfaces, APIs, and deployable services.
- Published an open-source Porkbun DNS CLI and built site-provisioning automation that reduced new-client deployment time from hours to minutes.

Microworks | Network Engineer / Systems Administrator, MSP | Mar 2021–Jun 2026

- Served as the highest internal escalation point for SMB infrastructure, Windows Server, multi-VLAN networks, and VoIP; designed, deployed, and troubleshot client environments.
- Audited and re-documented a multi-site network spanning 20+ VLANs and a pfSense VPN mesh, enabling a hardware refresh and DHCP expansion.
- Identified a direct-to-MX email-spoofing vector bypassing Proofpoint; built a custom test tool to reproduce the exposure and validate the fix.
- Automated deployment, monitoring, and network configuration with Python; remediated Synology NAS fleets across client sites and configured Entra ID SSO for DocuSign.

Vicidiem | Network and VoIP Systems Engineer | Jun 2019–Mar 2021

- Deployed apartment networks from cabling and switches through firewalls and resident onboarding; generated VLAN configurations and Wi-Fi QR codes for 100–300+ unit properties.
- Led a two-day solo nursing-home migration to FreePBX, including SIP trunks, ATA programming, and wiring; wrote administration documentation adopted by the team.

Professional Experience Continued

Extra Space Storage | Telecom and IT Support Specialist | Nov 2016–Jun 2019

- Executed technology rollouts across 1,500+ sites, including Android MDM and RingCentral deployments and a Microsoft 365 migration supporting 3,200 employees.
- Managed Cisco Meraki firewalls, MDM, device RMAs, and cellular fleet support; independently led a satellite-office network buildout and domain join.
- Authored VoIP procedures and training guides adopted by field technicians nationwide.

Infrastructure and AI Projects

Private Linux and AI Infrastructure — Administer an Ubuntu Server fleet with Proxmox virtualization, a two-node k3s cluster, replicated Longhorn storage, and a Headscale mesh with access controls. Operate web, email, monitoring, backup, and local AI services, including Ollama, Whisper, Kokoro, and on-demand Qwen3-TTS on a shared GPU host.

AI Agent Tools and Skills — Develop reusable instructions, scripts, and validation workflows that let AI coding agents perform repeatable creative and technical tasks. Package tool usage, project conventions, troubleshooting guidance, and human review checkpoints into reusable skills.

Programmatic Video Production — Created an AI-assisted Python workflow integrating headless Blender rendering, Kokoro and Qwen voice generation, synthesized music, compositing, and FFmpeg encoding. Produced seven finished episodes of How to Survive Anything and multiple ads, with horizontal and vertical ad deliverables. Combine automated geometry checks and Whisper audio verification with personal creative direction and final QA.

Construction Dailies — Built and deployed a reporting PWA prototype that turns typed or dictated construction notes into reviewed PDF reports. Integrated Whisper transcription, AI clarification and revision, photo handling, SQLite storage, device authentication, output validation, and a prompt-evaluation harness.

AI Roof Estimator — Built and deployed a hackathon prototype combining address lookup, satellite/solar data, Claude Vision, materials and labor calculations, and PDF estimates. Integrated external data and AI analysis into a complete browser workflow.

Sounds — Built and operate an ad-free sleep-sound web app, the most-used tool in a personal portfolio that also includes games with regular players.

Additional AI Development

Built a government-opportunity finder combining federal-source retrieval, programmatic ranking, and AI explanations, including no-match results. Developed a browser-agent prototype with human-approved outbound actions, a versioned learning playbook, audit trails, and a simulation benchmark with a control arm.

Recognition and Certifications

Third place, Building with Gemma hackathon — practical application of local, open-weight models.

CompTIA Security+ — earned 2019 • CompTIA Network+ — earned 2010 • CompTIA A+ — earned 2010