

Brion Hansen

Brion has a wide-reaching knowledge of Information Technology systems specializing in UNIX/Linux. He is a jack of all trades for anything IT related. He particularly enjoys tackling tough problems such as infrastructure scalability and security.

Skills

Operating Systems

- Linux (Primary desktop Operating System since 1999)
- FreeBSD/OpenBSD
- Solaris/Illumos/OpenIndiana
- Windows (Legacy-11 24H2)
- MacOS

Virtualization

- KVM/Proxmox
- VMWare vSphere/vCenter
- Xen

Containerization

- Docker
- Podman
- LXC

Orchestration

- Ansible
- Compose
- Cloud-init
- Quadlets

Security

- SSL/TLS ACME Automation
- Endpoint Monitoring (Wazuh, BitDefender)
- Encryption (pubkey, e2ee, filesystem)
- Password Management (Bitwarden/Vaultwarden, Hudu, Keepass, 1Password)

Networking

- Firewalls (OPNsense, pfSense, iptables, Sonicwall, Sophos, etc)
- Routing (OpenWRT, Mikrotik RouterOS,
- SDN (Omada, Unifi, Meraki)
- Wireguard (Hub and Spoke, Mesh)
- OpenVPN, and other VPN protocols/solutions

Hardware

- HP/Dell/Supermicro/etc Enterprise Servers
- iLO/iDRAC/IPMI/OpenBMC
- x86_64, ARM64, POWER, and SPARC architectures
- NVR/DVR/IPTV Systems
- Raspberry/Orange/Banana Pis and many more embedded SBCs

Services

- DNS (Unbound, DNSCrypt, systemd-resolved, etc)
- DHCP (dnsmasq, Windows, etc)
- Reverse Proxies (Nginx, Caddy, HAProxy, Traefik)
- Monitoring (Syslog servers, InfluxDB/2, Prometheus, Loki, Grafana, Cockpit)
- Network Storage (SMB, NFS, Nextcloud/WebDAV)
- Wireguard Based Solutions (Netbird, Tailscale/Headscale)
- Collaboration (Matrix, Teams, Slack)
- Ticketing (Autotask, Jira)
- Documentation (Hudu, Markdown, Wikis, etc)
- Remote Management (NinjaOne, MeshCentral, Intune)

Experience

Systems Engineer - TwinPines Technology

2024 - Present

Twin Pines is a Managed Services Provider serving small and medium sized business across Northeast Ohio.

- Migrated internal documentation from Microsoft OneNote to Hudu
- Recreated MS365 GDAP roles with auto renewal for managed tenants
- Deployed CIPP 365 portal for multi tenant management
- Entra/AD/Exchange/Teams/Sharepoint management
- Network management, firewall migrations, site to site routing
- Netbird Mesh VPN deployment
- Windows and Linux server management/deployment

Design and Deployment Engineer - Park 'N Fly:

2023 - 2024

Park 'N Fly was an off airport parking lot company that is deploying new kiosk technology with embedded Linux and Android SBCs.

- Traveled to various locations around CONUS to upgrade existing parking lot entrance/exit kiosks and Point of Sale devices to new system
- Loop detection relay wiring/digital IO interfacing
- Wrote documentation explaining kiosk installation and configuration procedures
- Assisted in building Debian images for embedded SBCs
- General IT maintenance/upgrades at visited lot

Freelance IT Consultant - Self Employed:

2008 - 2023

Providing IT support for a variety of individuals and businesses.

- Technology support for individuals and small businesses
 - Deployment and support of computer workstations, laptops, and mobile devices
 - Local network installation and configuration of hardware and software networking
 - Virtual network configuration with protocols like Wireguard and OpenVPN
 - Administration of a variety of virtual environments including Linux KVM/Proxmox, VMWare, HyperV, and Xen
 - Design and installation of home and business audio/video systems
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Interests

Computing

- Open Source
- Edge Technology
- 5G/LTE
- LoRA
- Flashing ewaste routers/access points with firmwares such as OpenWRT
- Documenting everything

Outside

- Snowboarding
- Hiking
- Gardening
- Permaculture

Brion Hansen	hansen.brion@gmail.com
	https://brion.in/resume.pdf