

Sean Bremner

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PROFESSIONAL SUMMARY

Extremely passionate IT professional with nearly 20 years of hands-on, practical experience spanning Linux and network administration, support and repair, website management, cloud architecture, and more. I have a systems and security-first mindset, and perform my best in an environment where I am able to troubleshoot issues, keep systems optimised, and ensure that the end user is always happy. While I am deeply proficient with legacy systems, I am currently focused on the latest stacks—specializing in Linux administration, AWS cloud architecture, and automated deployment pipelines. I am always eager to learn new toolchains and methodologies to ensure maximum operational excellence and uptime.

CORE COMPETENCIES

Cloud & Infrastructure: AWS (EC2, S3, EBS, IAM, CloudFormation, Route53, CloudFront), Azure, Google Cloud, Docker, Podman, Kubernetes (learning)

CI/CD & Automation: GitHub Actions, Ansible, Bash scripting, Python (in progress), Git, Vim

Linux: 10+ years daily use across RHEL, Fedora, Debian, Ubuntu, Arch, OpenSUSE — administration, hardening, CLI proficiency

Networking: TCP/IP, subnetting, DHCP, DNS, VLANs, CDN (Cloudflare, CloudFront), Mikrotik/RouterOS, Ubiquiti, physical LAN installation and termination

Security & Privacy: Threat modelling, OIDC authentication, IAM least-privilege design, encryption (PGP/GPG, LUKS), VPN configuration, MFA/2FA (YubiKey/TOTP), OS hardening, DNS-over-HTTPS, traffic analysis prevention

Monitoring & Diagnostics: Wireshark, systemctl, top, ping, traceroute, dig

AI & Emerging Tech: LLM integration, local model deployment (Ollama, Gemma, Gemini Nano), RAG pipelines, Hugging Face

FEATURED PROJECT

Cloud-Native Portfolio & CI/CD Pipeline — github.com/skbrem/cloud-native-portfolio

- Architected and deployed a secure static site on AWS S3 (af-south-1) behind Cloudflare CDN with SSL/TLS termination and CNAME flattening.
- Implemented OIDC-based authentication for GitHub Actions, eliminating long-lived AWS credentials — IAM role assumed via temporary tokens per deployment.
- Applied least-privilege S3 bucket policy restricting access exclusively to Cloudflare IP ranges, preventing direct origin exposure.
- Built a fully automated CI/CD pipeline: on push to main, the workflow authenticates via OIDC, syncs to S3, and invalidates the Cloudflare edge cache — ensuring global propagation within seconds.

WORK EXPERIENCE

Website Administrator & Data Specialist | Aggrego Data | 2025 – Present

- Administer the company website, implementing SEO best practices and analysing traffic data to optimise content visibility and search ranking.
- Curate and organise technical data from peer-reviewed scientific literature to build and maintain the company's core knowledge base.

Contracted Operations Manager | Khula Dharma | 2025

- Oversaw critical facility operations, ensuring consistent uptime across water, power, and network infrastructure for a multi-homestead property.
- Designed and maintained the site network topology, managing IP addressing and subnetting to segregate traffic across distinct zones.

- Managed the physical installation and termination of LAN cabling; deployed and configured Mikrotik and Ubiquiti devices for reliable wireless coverage across the property.

Senior Technical Writer | Sidelink | 2015 – 2025

- Produced 10–25 in-depth technical articles per week covering Linux systems, cloud infrastructure, open source software, and the broader technology landscape.
- Conducted rigorous primary research on complex technical topics, translating specialist knowledge into accessible, well-structured content.
- Implemented SEO best practices and mobile-first content strategies, improving traffic and user retention metrics.

Independent IT Technician | Freelance | 2008 – 2015

- Delivered on-site and remote technical support to local clients: OS installations, malware remediation, hardware diagnostics and repair, custom PC builds, and peripheral maintenance.
- Performed physical network setups including Ethernet cabling, router and switch configuration, and client security audits.

CERTIFICATIONS & EDUCATION

- AWS Solutions Architect Associate — In progress, expected Q2 2026 (Adrian Cantrill curriculum)
- Red Hat Certified System Administrator (RHCSA) — Targeted 2026
- Digital Marketing & E-Commerce Professional Certificate — Google, 2025
- Introduction to Generative AI Learning Path — Google, 2024
- Google IT Support Professional Certificate — 2021
- International Certification of Digital Literacy — 2012
- National Senior Certificate — 2010

INTERESTS

Open source software • Cloud infrastructure • AI and LLM tooling • Privacy and security • Off-grid and solar systems