

PROFILE

Head of Infrastructure with over twenty years' experience across networking, systems and information security in the public and private sectors. I lead an infrastructure team supporting around 150 production servers across two data centres, and am accountable for the company's migration to AWS. I have a consistent track record of bringing environments into compliance with demanding standards, including ISO/IEC 27001, PCI DSS and the PSN Code of Connection, and of keeping services running smoothly through periods of significant organisational change.

SKILLS

- **Leadership:** team building and recruitment, line management, stakeholder management, budget management, post-acquisition integration, supplier management.
- **Security & compliance:** ISO/IEC 27001, PCI DSS (SAQ-D), information security policy, patch management, business continuity and disaster recovery planning, vulnerability scanning (Nessus, OpenVAS, OpenSCAP).
- **Platforms:** Windows Server, Active Directory and IIS; Debian and Red Hat Linux; Apache, PostgreSQL, Apache Cassandra, RabbitMQ; Proxmox and VMware; OMD/Checkmk monitoring; Subversion; Microsoft 365.
- **Cloud:** leading an on-premises to AWS migration programme delivered with Terraform and GitHub.
- **Networking:** IP routing and switching, DNS, PKI, TLS, IPsec, MPLS, load balancing, firewalls; extensive Cisco background.
- **Automation:** Ansible, PowerShell Desired State Configuration, configuration management and infrastructure as code.

EXPERIENCE

Head of Infrastructure, *Codeweavers (Cox Automotive)*

Oct 2023 – Present

LEADERSHIP

- Promoted to lead the infrastructure function following Cox Automotive's acquisition of Codeweavers, succeeding the former Head of Infrastructure and company director.
- Grew the team from two to five engineers, responsible for recruitment, line management and professional development.
- Responsible for tracking and managing c. £300,000 annual data centre operating spend.

PLATFORM & MIGRATION

- Accountable for the migration of around 150 servers in two on-premises data centres to a new AWS platform, leading the team delivering the build as infrastructure as code with Terraform and GitHub, and the decommissioning of legacy infrastructure.
- Oversaw the retirement of Microsoft SQL Server in favour of PostgreSQL.
- Led post-acquisition IT integration, including migration from Google Workspace to Microsoft 365 and the transition of staff from locally managed endpoints to Cox Automotive corporate devices.
- Retained hands-on ownership of core infrastructure, including Active Directory, firewalls, switching, monitoring and configuration management.

SECURITY & COMPLIANCE

- Led the business to its first successful PCI DSS SAQ-D assessment, driving remediation across infrastructure, policy and process.
- Achieved and maintained ISO/IEC 27001 certification through ongoing audit cycles.
- Introduced new information security policies and a formal patching regime, and fully documented business continuity and disaster recovery procedures.
- Responsible for office physical security systems, including UniFi wireless and CCTV, and Paxton Net2 access control.

- Maintained a mirrored production platform of around 150 servers across two data centres: .NET applications on 56 bare-metal Windows Server/IIS hosts behind an Apache load-balancing tier, with PostgreSQL and a 36-node Apache Cassandra cluster on Debian Linux.
- Supported around 80 Windows Server development environments and a non-production platform for the engineering teams.
- Brought server configuration under proper management using PowerShell Desired State Configuration for Windows and Ansible for Linux, replacing manual changes with repeatable, version-controlled builds.
- Administered Active Directory, firewalls and network switching across both data centres.
- Ran supporting services including OMD (Checkmk/Nagios) monitoring, RabbitMQ messaging, Subversion source control and Proxmox virtualisation.

Network Engineer, CE Security Services

Apr 2018 – Jul 2019

- Led the company's remote support capability, working with colleagues in the UK and South Africa as the escalation point for a large MSP and its customers.
- Oversaw 24/7 support and maintenance of a multi-vendor network spanning Europe, North America and Asia Pacific.

Enterprise iPaaS Platform Developer, Capgemini UK

Jul 2016 – Apr 2018

- Core development team member maintaining and improving Capgemini's enterprise integration platform.
- Designed and implemented systems allowing the platform to operate in highly restricted, audited networks such as those in the financial sector, using PKI and IPsec to provide secure customer access.
- Used Nessus, OpenVAS and OpenSCAP to verify patching and hardening.

Senior Network Officer, Walsall Council

Sep 2007 – Jul 2016

- Shared responsibility for the LAN and WAN supporting thousands of staff across the Council and its remote sites: security, design, capacity planning, routing and switching, MPLS and VoIP in a predominantly Cisco environment.
- Delivered solutions while maintaining compliance with the PSN Code of Connection and PCI DSS for an organisation holding large volumes of sensitive data.
- Saved the Council £100,000 in twelve months by adopting open source alternatives to proprietary products.
- Implemented configuration management with Ansible, intrusion detection and prevention, high-availability firewalls, web filtering, monitoring, load balancing and email systems.
- **Core network overhaul:** two-year project replacing the Council's core with a high-availability Cisco 6509-E VSS design, gigabit access layer and 10-gigabit data centre network.
- **Public and staff WiFi:** designed and deployed WiFi for up to 5,000 users across 50 sites, helping the Council gain PSN accreditation at the first attempt.

Network Officer / Technical Assistant, Walsall Council

Oct 2004 – Sep 2007

- Expanded the Council's WAN and LAN, replacing legacy ISDN links with SDSL, and specified structured cabling and managed contractors.
- Introduced VMware ESX virtualisation, which became the Council's standard server platform.

EDUCATION

A-Levels, King Edward VII Sixth Form College: Chemistry, Biology, Information Technology

2001

GCSEs, King Edward VII Upper School: ten at grades A–C

1999