

PROFILE

I lead the technical design and delivery of infrastructure projects for enterprise and public sector clients, owning the architecture, setting standards across concurrent programmes, and seeing complex multi-vendor deployments through to production.

SC cleared and working at Lead Architect level, I cover networking, security, cloud, and AI-driven automation across global enterprise and public sector environments, including critical national infrastructure.

Recent focus: bringing agentic AI into infrastructure operations, automation platforms that cut manual effort and speed up delivery.

EXPERTISE

Infrastructure

Network Architecture SD-WAN
BGP & OSPF LAN / WAN Design

Security

Cisco Firewall Palo Alto Fortinet
Cisco ISE Zero Trust VPN
Umbrella & DUO

Cloud & Hybrid

Azure Networking Transit Hubs
Secure Access Cloud

Collaboration

Cisco Webex MS Teams
SIP & CUBE CUCM

Datacentre

Cisco UCS VMware Cisco Nexus
DC Design Nutanix

Automation & Dev

Python Network Automation
Docker AI Workflows DevOps

Leadership

Team Leadership Programme Delivery
Solution Architecture Mentoring

CREDENTIALS

SC **SC Cleared**
UK Government Security Clearance

CCNP **CCNP Enterprise**
Routing & Switching · valid through 2027

CCNP **CCNP Collaboration**
Unified Communications · valid through 2027

EXPERIENCE

Technical Lead

2024 – Present

Sword Group (formerly Ping Network Solutions)

- Designed and delivered a resilient, multi-region Cisco ISE, Palo Alto firewall, and Cisco SD-WAN deployment in Azure, establishing zero-trust network access for a critical national infrastructure client
- Architected a secure Azure-based AI platform to automate network operations workflows, integrating LLM-based tooling with enterprise infrastructure to reduce manual effort and accelerate incident response
- Manage and mentor a team of 7 consultants, owning resource planning, technical direction, and professional development across concurrent delivery programmes
- Define solution architecture and set technical standards across projects, ensuring consistency, quality, and alignment with client outcomes
- Led a multi-datacentre & offshore transformation programme incorporating SD-WAN, Cisco Nexus datacentre switching, and Palo Alto Networks edge security
- Delivered campus-wide firewall and LAN refresh programmes across multiple Scottish public sector clients including colleges, universities, and government bodies
- Championed DevOps practices, CI/CD pipelines, infrastructure-as-code, and automated testing to accelerate delivery

Consultant Engineer

2019 – 2024

Ping Network Solutions

- Designed and implemented end-to-end solutions spanning networking, security, and collaboration technologies
- Led a multi-site migration from legacy BGP/IPsec VPN to a modern Cisco SD-WAN architecture
- Architected Cisco SD-WAN with an active/active Palo Alto Networks transit hub in Azure, enabling resilient hybrid connectivity
- Managed the migration of 2,000 users from Cisco CUCM to Microsoft Teams for a major Scottish university
- Designed and built a bespoke hosted management platform across dual datacentres for an energy sector client

Principal Engineer

2015 – 2019

Virgin Media Business

- Provided technical leadership and consultation for large public sector accounts
- Delivered a comprehensive LAN/WAN and datacentre redesign using Cisco Nexus 9K for a national justice sector organisation
- Led a datacentre refresh incorporating clustered Cisco UCS 5508 compute nodes for a secure public sector estate
- Designed and implemented a secure video conferencing system for a custodial environment, connecting inmates, solicitors, police, and court personnel
- Delivered multiple large infrastructure projects including LAN refreshes, firewall migrations, and SIP integrations

Senior Network Engineer

2007 – 2015

Jabil

- Led a European-wide LAN, WAN, and Cisco telephony refresh across 112 manufacturing sites
- Delivered two \$3M datacentre builds in London and Budapest
- Served as technical lead for the acquisition integration of a competitor facility in the Netherlands

Network Engineer

2003 – 2007

Jabil

- Managed converged data and voice network installations across the European region
- Designed routing and traffic engineering solutions using BGP and OSPF
- Delivered VPN, telephony, and wireless solutions across multiple European sites