**JOSEPH TABBERER**

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**SUMMARY**

CCIE certified NETWORK ARCHITECT with over 10 years of experience acquired in various sectors. Skilled in network design (HLD, LLD), implementation (WAN, LAN, data centre, automation) and support. Expertise in a broad range of routing, switching and security technologies.

**CERTIFICATIONS**

Cisco CCIE Routing & Switching #51675  
Cisco CCNP Routing & Switching  
Cisco CCNA Routing & Switching

Cisco Data Centre Unified Fabric Support Specialist (Cisco Nexus)

Juniper Networks Certified Specialist Security (JNCIS-SEC)  
Juniper Networks Certified Associate Junos (JNCIA-Junos)

VMware VCP5-DCV  
Microsoft MCP  
Cisco Data Centre Application Support Specialist (expired)

**SKILLS**

**ACI:** Multi-Site, MultiPod, Stretched Fabric

**SD-Access:** LISP, IS-IS Fabric, DNA Center, ISE

**Network Automation:** Ansible

**Switches:** Cisco Nexus2K/5K/9K/7K**,** Catalyst9K/6K/4K/3K,Juniper, HP, Dell, Force10

**Routers:** Cisco ISR, ASR **Firewalls:** Cisco ASA, Cisco Firepower, Juniper SRX, Palo Alto, Check Point **NX-OS:** OTV, Fabricpath, vPC, VDC **Routing:** OSPF, EIGRP, IS-IS, RIP, BGP  
**VPN**: IPSec, SSL, MPLS, DMVPN

**Identity:** Cisco ISE, ACS

**Visibility:** NetScout TruView, Cisco StealthWatch

**NMS:** Solarwinds Orion, Nimsoft, Cacti, Junos Space **Load Balancers/Optimisers:** Citrix Netscaler, Riverbed SteelHead **Web Gateways:** McAfee Web Gateway, Websense, Trend InterScan, Trustwave **Voice:** Cisco Unified Communications, Unity Connection, UCCX, CMS

**Servers**: Windows Server / Active Directory **Compute:** VMWare VSphere, Microsoft Hyper-V, Cisco UCS

**Virtual Machine Management**: VMWare vCenter, Microsoft SCVMM

**Cabling:** Flood-wired MDF, CAT5e/6/Optical, MTP/MTO

**Wireless:** Cisco Meraki, Aruba, SD-A, Cisco WLC

**EXPERIENCE**

**WhiteSpider - Network Consultant (Contract)**

**September 2018 – Present**

* Creation of HLDs and LLDs for Cisco ACI (MultiPod/MultiSite), SD-Access, Cisco ISE, Cisco ASA & Firepower.
* Customer data centre and campus network audits, architectural reviews, design workshops and data centre migration planning.
* Automation of Cisco ACI and Cisco Nexus for customer deployments and operations using REST and Ansible.
* Working with Pre-Sales team to create bill of materials and estimates.
* Produced RFI for SD-WAN.

**XMA Limited - Network Architect (Contract)**

**April 2017 – September 2018**

* Campus and data centre network design for a new University campus based on Cisco Software Defined Access (SD-A) architecture and Cisco ACI respectively. SD-A campus network will be one of the first in production in the UK. Completed all design phases including requirements gathering, design workshops, high-level design and low-level design.
* Implementation of SD-A network including DNA Centre deployment, LAN Automation (IP Fabric / Underlay deployment), deployment of overlay networks, WLC and Fabric-Mode Wireless AP deployment, ISE wired/wireless 802.1X and dynamic classification. Network policy enforcement using Trustsec SGTs. Multicast & MSDP deployment.
* Created ansible playbooks to build underlay (IS-IS IP fabric), create BGP peerings for new virtual networks and to test underlay and reachability of network services.
* Authored solution response for RFT for a local government healthcare department replacement LAN. Solution based on Cisco Software Defined Access architecture.
* Authored Cisco Unified Communications HLD including Unified CM, UCCX and CMS.

**Boeing UK Defence - Network Consultant (Contract)**

**October 2016 – April 2017**

* Cisco Nexus 7K/2K data centre network design using OTV between DCs.
* End-to-end QoS configuration (Juniper SRX/EX, Dell, HP, Cisco) to support Openscape VOIP and Skype.
* Monitoring platform (Solarwinds) upgrade and monitoring configuration (Netflow/Sflow/SNMP). Reporting and alerts configuration.

**Staffordshire Police - Network Engineer (Contract)**

**September 2015 – September 2016**

* Implementation of encrypted WAN, Juniper SRX IPSec over EVPN underlay. Migration of all sites to the new WAN.
* Design and implementation of LAN for integrated command and control with multicast/PIM.
* Migration of Home Office CJX services to Public Services Network (PSN) and creation of supporting documentation.

**Next plc – Senior Network Engineer**

**May 2014 – September 2015**

* Design of corporate, warehouse, PCI and e-commerce networks including LLD creation. Replacing Cisco Catalyst 6K/4K core with Cisco Nexus 7K/9K. OTV DCI running over DWDM.
* Cisco ACI HLD using Nexus 9336PQ spine and 9372PX leaf switches across two sites with stretched ACI fabric.

**Proact IT UK Ltd – Data Centre Network Engineer**

**April 2012 – May 2014**

* Deploying customer networks on multi-tenant cloud platforms (Flexpods) with VRFs, deploying IGPs (including IPv6 OSPFv3) and BGP. Configuring VPN connections (including 6-in-4 IPSec Tunnels).
* Design and management of networks on customer premises and pre-sales assistance.
* Implementation of Cisco Nexus 5k and Cisco UCS platform.

**Synergy Health PLC – Network Infrastructure Engineer**

**May 2008 – April 2012**

* WAN migration to MPLS from IPSec hub/spoke connectivity.
* Cisco Catalyst LAN migration.
* Implementation of Cisco ASA firewalls, Microsoft TMG and Websense.
* Managed Cisco Call Manager and Asterisk VOIP infrastructure. Integration of Tandberg MCUs and creation of call scripts in Cisco IPCC.

**Royal Bank of Scotland - Technical Support Analyst**

**August 2005 – May 2008**

* 2nd line Windows, Netware and application support.

**EDUCATION**

**Landau Forte College, Derby -** September 1991 – May 1997