# Faheem Burki

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| ***Profile*** |

Experienced as a Network / Security consultant. Areas of expertise are large scale global Enterprise Networks for Financials/Telecom/Media industry. Extensive experience in engineering and operations, implementation, low level design of large scale corporate and global multi-site network environment. Hands-on experienced of multi-vendors layer 2,3,4-7 devices, switching technologies, protocols like BGP, OSPF, EIGRP, VRF, MPLS, STP, Vlans. Security devices Cisco ISE, ASA, FWSM, Palo Alto, F5 LTM, GTM. Systems experience of Unix/Solaris/Linux OS for enterprise and service provider environment.

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| **SKILLS & TECHNOLOGIES** | |
| Networks:   * Network Design, implementation and operations * Protocols: BGP, OSPF, EIGRP, VRF, MPLS * Layer 2: VLANs, STP, VTP, Port Security, vPC * Route-Maps, Policy Based Routing, Access-lists * IOS upgrades, Bug Scrubs, DR failover Imp/test * LoadBalancers | **Operating Systems:**   * Solaris 7, 8 , 9 ,10 * Linux Flavors Like RedHat, Ubuntu, SuSe, Mandrake, Debian * FreeBSD * MS-Windows NT 4.0, 2000, 2003 , 2008 Servers |
| **Firewalls:**   * Cisco ASA, FWSM, Palo Alto 5060 & Panorama, PIX Firewall, Juniper SRX, Unix IPfilters, AlgoSec   **Devices:**   * Nexus 7000, 5k, 3k, 2k, Cisco 6500, 4900, 4500, 3750, Wireless WCS, Prime , ISE 2, Juniper Ex 4550, 4300, 4200 * Cisco 7200, 3600, 2600, ASRs * Lucent Max TnT, Nortel Versalar and CVX, Nortel Passport, Huawei Quidway   **Load Balancer:**   * F5 LTM, GTM, Cisco ACE, CSM, GSS, HA Proxy | **Servers/Services:**   * DNS, DHCP, Web Servers (Apache, IIS) * VMWare ESXi, VSphere * Mail Servers (Sendmail, Qmail) * Proxy Server (Squid), Samba servers , NetApp, NFS * Asterisk SIP * Syslog * Splunk * MS SQL Server, Oracle, MySQL   **Scripting:**   * Basic Unix Shell Script , Bash, Expect & TCL |
| **Tools:**   * Network Optimization &Load Management Tools like Netcool, Nagios,MRTG, Syslog, SolarWind, Cacti, Cricket * Ticketing systems Like Spark, Remedy, Keystone, Status Ticket, Cramer | **Hardware Maintenance:**   * Installation and configuration of Cisco router, layer 2 & 3 Switches, Access Concentrators, E1 NTEs, Segway compression devices, ADVA * Sparc, Dell, HP, IBM server Installation and maintenance * Network Storage device |
| ***EDUCATION / QUALIFICATIONS*** |
| **Degrees** |

**MSc**: Networking and Data Communications, Kingston University London

**BSc:** Bachelors of computer Science

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| **Certifications / Trainings** |
| **CCIE R&S written** | **CCNA** Cisco Certified Network Associate |
| **CCNP** Cisco Certified Network Professional | **Palo Alto** (EDU 201/205) 6.0 |
| **SCSA**  Sun Certified System Administrator 7&10 P1 | **MCSE** Microsoft Certified System Administrator 2K&NT |
| **SCNA** Sun Certified Network Administrator | **MCP+I** Microsoft Certified Professional + IIS |
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**EMPLOYMENT & EXPERIENCE**

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| ***Equiniti*** | ***March-2019-To-date*** | ***Network Consultant*** |

**Duties / Responsibilities**

Work with-in enterprise network team in a large multi-site multi-vendor network to design, implement and test network for financial services for multiple datacenters connected through site-to-site VPNs and 21 century network. Worked on network deveices such as Cisco ASA, Nexus, Juniper SRX, F5 LTM, GTM, ASM, Cisco ISE, ISRs. Involved in Data-centre migration, link migrations, Low Level Designing, testing and implementations of ASAs Site to Site VPN, DMZ, AnyConnect VPN 2FA using CA certs. F5 VSs, iRules, Policies, F5 AFM, F5 Wide IPs. Cisco ISE 2.4 implementation of 802.1x

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| ***Dimension Data*** | ***December-2018-To-March 2019*** | ***Technical Consultant*** |

**Duties / Responsibilities**

Work with-in enterprise network design team in a mutli-vendor estate for a large enterprise multi site network to design, implement and test network services, which includes Cisco Nexus, Catalyst 9300, 9500, 9400, Juniper Srx, F5 LTM, Cisco ISE. Involved in Low Level Designing, testing and implementations.

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| ***Arqiva / CACI*** | ***Jan-2018-To-***  ***December-2018*** | ***Network Specialist F5 / Implementation*** |

**Duties / Responsibilities**

Work with-in network design team on a Smart Metering project to audit / remediation and recommend best practice configuration of F5 estate includes LTM and GTM, of production and non-production test environment.

Experience with working on CLI tmsh for bulk configuration and GUI of F5 LTM and GTM. SSL certs generation, installation, Pass-through and Offloading configuration for Client-Side and Server-Side SSL and bundles, Ciphers configuration, redirections, Policies, Cookie encryption, iRules implementation and updating design document.

Hands-on experience with most of Cisco devices, includes 2900, 3750, 4500, 4900, 6500, Nexus 7000/5000/3000 Etc.

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| ***SKY***  ***British Sky Broadcasting*** | ***December-2016-To October 2017*** | ***Network Security Designer / Implementation ISE*** |

**Duties / Responsibilities**

Work with-in network design team to design and implement a NAC solution using Cisco Identity Services Engine ISE 3595 Version 2.2 and the access network compromise of Juniper EX switches.

The project to introduce 802.1X security solution to the Enterprise wired network using Cisco ISE 2.2 to integrate with Juniper EX switches as NAD. Implemented a test bed to replicate the live environment for POC (Proof of-Concept) using ISE 2.2, Juniper EX 4550, 4300, 4200 switches, Juniper SRX firewall. Tested different options for the low level design components were 802.1x integration with windows AD CA cert server using EAP-TLS for corporate machines, PEAP-MSCHAPv2 for printers, EAP-MD5 for phones and MAB (MAC authentication Bypass) for headless devices, flexible authentication assigning guest VLANs for internet only access, Dynamic Vlan assignment , dynamic ACL.

Implemented profiles for BYOD to redirect to registration portal or unknown legitimate corporate devices to provide internet or corporate network access. Profiled unknown network devices for appropriate network access.

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| ***NS&I Bank / Atos***  ***National Saving & Investment*** | ***July-2016-To-Dec 2016*** | ***Network Consultant F5*** |

**Duties / Responsibilities**

Work with-in network design team on F5 LTM LoadBalancer design/installation, migration and implementation in datacenter environment.

The project focused on migration of Legacy network solution from HA Proxy and Cisco ACE to F5 LTM, which includes deployment, design and configuration of LTM and up gradation from version 10 to 12. Experience with working on CLI tmsh for bulk configuration and GUI of F5 LTM and GTM. SSL certs generation, installation, Pass-through and Offloading configuration for Client-Side and Server-Side SSL and bundles, Ciphers configuration, redirections, Policies, Cookie encryption, iRules implementation.

Datacenters configured for redundancy and services are configured Active/Standby and DR using GTM. Design/installation of F5 LTM upgraded to version 12, Active/Standby mode High Availability, HA Groups, Fail-Safe VLANs, Trunks tracking, management configuration, route domains configured.

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| ***SKY***  ***British Sky Broadcasting*** | ***March-2016 To July-2016*** | ***Network Implementation Engineer F5*** |

**Duties / Responsibilities**

Work with-in design team on a datacenter migration of LoadBalancers and Firewalls. The project focused on migration of Cisco Ace to F5 LTM, Cisco GSS to F5 GTM and migration of Cisco ASA/FWSM firewalls to Palo Alto 5060. Datacenters are configured for redundancy and services are configured Active/Active and Active/Standby. Experience with working on tmsh for bulk configuration and GUI of F5. SSL certs Pass-through and Offloading. Devices worked on F5 Viprion Z101 (LTM, GTM) Cisco ACE, GSS, Palo Alto 5060 and Panorama, Cisco ASA and FWSM. Nexus 7000.

Responsibilities include deployment and implementation of new services in a PCI compliance environment for F5 LTM, GTM and Firewall configuration from existing ACE, GSS to LTM, GTM and Cisco ASA, FWSM to Palo Alto Firewall using scripts to migrate existing Cisco rules to Palo Alto CLI format. Upgraded PanOS in a large estate of Palo Alto 5060 in Vsys environment and Panorama. Hands-on experience with AlgoSec.

Raising planned changes according to ITIL practices for business need. Representing the changes at Change Advisory board and Technical design authority meeting. Once approved carry out implementation of the changes.

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| ***Vodafone [London]*** | ***May-2015 To March-2016*** | ***Technical Lead Enterprise Networks*** |

***Duties / Responsibilities***

Working with Design and operations team, to pro-actively manage Vodafone enterprise network and number of large scale corporate and global multi-site customers LAN and WAN. (Customers include Financial, Media, Tech giant, Energy, Government, and Legal)

The role involves managing customer’s network platform in-line with its design, Identify potential design issues, produce Low-level design document and configuration recommendation to improve the stability, performance and resilience of the network.

Ensure an in-depth understanding is gained of all networks/customers to be able to resolve any major incidents or improvements on their network from a firewall and network perspective. The role involves resolving complex network faults and service requests, as well as completing network/firewall health checks, upgrades and housekeeping. Assist with testing and evaluation of new firmware/IOS, Failover testing.

Hands-on experience with most of Cisco switches and routers. Switches includes 2900, 3750, 4500, 4900, 6500, Nexus 7000/5000 Etc. Routers from 887, 1800, 1900, 2600, 2800, 7200, 7600.

Routing technologies used BGP, EIGRP, OSPF, RIP, HSRP, route-maps, ACL, distribute-list, prefix list, redistribution VRF, MPLS in a CE WAN environment. Switching technologies used Spanning-tree, VTP, VLANs, Private-VLANS, Port security, Trunks, Ether-channels, Nexus vPC, VSS, Storm control.

Responsibilities also include raising planned design changes according to ITIL practices for business needs and new projects. Representing the changes at Change Advisory Board and TDA meetings.

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| ***British Sky Broadcasting [London]*** | ***Dec-2010 To May-2015*** | ***Network Engineer Enterprise*** |

**Duties / Responsibilities**

Part of the network operations team to manage the BSkyB enterprise network estate which includes enterprise network, Data Centers, Sky News, Sky Sports, broadcasting live IPTV streaming.

The network comprises of Nexus 7000, 5000, 2000, Cisco 6500 (FWSM with multiple contexts and ACE), Cisco 4900, 4500, 3750.LoadBalancers like F5, ACE. ASA, FWSM and Palo Alto 5060 firewall with Panorama. The Network carries traffic of corporate enterprise network, Sky own datacenters and POPs via VPN and live broadcast.

The network operations include routing, switching, security, VPN connectivity. Layer 3 technologies used for route manipulation are BGP, OSPF, EIGRP, MPLS, VRF, HSRP, Access-lists, and route-maps. Responsibilities include IOS upgrades, failover testing of devices for disaster recover, supervisors Active/Standby, Firewall redundancies.

Layer 2 technologies worked on VLANs, VTP, RSTP, port security, ether-channels, Nexus vPC, VSS etc. Network Security devices in use are Cisco FWSM multiple context, ASA, Palo-Alto to secure the network and firewall rules additions. Secure VPN connectivity to sites, users and for live broadcast.

Configured and managed LoadBalancers like F5 and Cisco ACE.

Other responsibilities include raising planned changes according to ITIL practices for business needs and new projects. Representing the technicalities of changes at Change Advisory Board and TDA meetings once approved carry out implementation of the changes and test/verify. Proactively resolving incidents faults, tasks request tickets raised by internal and external clients.

Network tools used are HP Netcool, Nagios, CACTI, Wireshark, Serv-One, and InfoVista. Ticketing systems Like Spark, BMC Remedy.

Whenever needed liaison with vendors for RMA’d devices and WebEx for replacement/hardware issues. Vendors like Cisco, F5, Palo Alto to resolve devices issues.

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| ***BSkyB Broadband [London]*** | ***April-2007 To Dec 2010*** | ***NOC Engineer*** |

**Duties / Responsibilities**

Worked as a NOC Engineer in 24x7 NOC environments, proactively support and maintain Sky broadband services network. Main responsibilities to support and maintain systems, LoadBalancers and network services and Unix OS, which includes Solaris (8, 9 and 10),

Linux (Debian, SUSE, RedHat Linux).

Configured and maintained services like Radius, DHCP, DNS, APACHE, SAMBA, SENDMAIL, Exim, SYSLOGD, SPLUNK NetApp and other network storage devices, MYSQL, CLAMAV, SQUID, Nagios, Netcool, VMWare ESXi, Databases Mysql, IS applications on a Unix boxes which includes Solaris, Debian, FreeBSD and different Linux flavors.

Maintained and support monitoring application like HP Netcool, Nagios. Ticketing systems Like Keystone, Status, Remedy, Spark.

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| ***Call World UK Ltd [Canary Wharf]*** | ***Dec-2005 To June-2007*** | ***Network Engineer*** |

**Duties / Responsibilities**

Worked as a Network Engineer to manage and support company network infrastructure installed, configured and maintained network devices and servers. Worked on devices such as Cisco routers 7200 NPE-G1,Cisco 6500, Cisco 1841, Cisco 3750 stacks, 3650 2650 series, catalyst 2960, Cisco ASA firewall Segway E1 WAN Compression. Planned and implementation of IP security, protocols

BGP OSPF, MPLS, configured policy based routing, ACLs, route-maps, VLANS, STP.

Liaison with companies for 3rd party connectivity like BT, T-Sys and Tele-City for maintaining E1 Voice and Data circuits.

Hand on experience of Mails (Sendmail, Qmail) using Solaris 10, Linux, FreeBSD, SuSe, Debian Linux, VoIP Servers, IP Telephony maintaining PABX Asterisk Servers for VoIP server, E1s, VoIP Phones.

Managed services like DHCP, DNS, Apache, Sambe, Sendmail, Webmail, MySql, Clamav,

NAT, IPfirewal, Squid on a Unix Boxes which includes Solaris, FreeBSD and different Linux flavors.

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| ***EDS/SUN Microsystems [Harmondsworth]*** | ***November 2005*** | ***Network/Solaris Engineer*** |

**Duties / Responsibilities**

Worked as a Sun Solaris Engineer for testing the V240 servers installed at BT Data Center which includes installation and testing of hardware, Operating Systems of Solaris 10, configuration of suits and security.

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| ***MegaTech Ltd (ISP)*** | ***Dec 2003 to Sept 2005*** | ***Network Consultant*** |

**Duties / Responsibilities**

Install and configure Cisco Routers. 3600, 2600 series, catalyst switches, E1 multiplexers. On Cisco platform, protocols like BGP & OSPF, VLSM, Policy Based Routing, ACLs, Route-Maps, VLANs.

Install and configure Leased Lines for corporate clients e.g. HDSL using E1 energetic and dead pairs , serial Links using Radio modems, ISDN.

Plan and implement IP addressing scheme and subnet structure. Installed VoIP solution

with remote office locations using Asterisk PBX server, Digium voice gateways, IP phones.

Configure and troubleshoot Operating Systems like Solaris, Red Hat Linux, FreeBSD Maintain and services like Sendmail with antivirus , milters and DNBL, WebMail , Microsoft

Mail server, MailBeamer, IIS , Apache Web Server, Integrated Remote Access Server (Nortel CVX 1800,Refiner A 8010), Squid Cache Server, MS Proxy Server 2.0, DNS Bind ,

RADIUS IC Radius, Free Radius with Mysql, Extent RBS etc.

Installed and configured databases like Oracle, Mysql, Mysql. Plan and implement network security policy. Virtual Domain Hosting for various corporate clients. Provide network support and consultation to the Corporate Clients.

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| ***Comsats Internet Services [ISP]*** | ***August 2003 to Dec 2003*** | ***Technical Consultant*** |

**Duties / Responsibilities**

COMSAT Internet Services (360 Ports, Dial-up & HDSL) provides high-speed internet connectivity, web and other related services to general public, government departments and private businesses.

Manage and handle the network and systems using Lucent Max TnT, Cisco 3600, Cisco 3750, 3560, Sun Sparc Solaris 9 , FreeBSD 4.7, Linux 6.1 , Dvb , Cisco 2900 switch, Free Radius, Oracle, DNS, Squid, Policy Based routing, protocols like BGP & OSPF , PRIs, Apache etc.

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| ***Post InfoTech*** | ***Oct 2002 to Aug 2003*** | ***Network Engineer/ Manager*** |

**Duties / Responsibilities**

Planning, Designing , implementation and maintaining of LAN , WAN and software for the mail tracking system and Online Money Order service in 17 difference location, involving VPN , Windows 2000 Server/Professional, Windows NT 4.0, SQL 7.0 , Mysql and IIS 4.0, Solaris 8.

Managing a team of 25 network professional , 10 software developers and more than 90 data entry operators in different Post Offices across the country.

Installed VoIP solution for all the main sites of InfoTech for supporting E-money and tracking system using Asterisk PBX server, Digium, SIP IP phones.

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| ***Apollo Online Pvt. Ltd*** | ***May 2000 to Oct 2002*** | ***Network Engineer*** |

**Duties / Responsibilities**

Managed Systems and the Network. Provide network support and consultation to the Corporate Clients.

Install / configure and supported Nortel Passport switches, Cisco PIX , routers and switches like Cisco 3750, 3560,Nortel BayStack 450 switches using protocols like BGP & OSPF policy based routing.

Operating Systems including Solaris, Free BSD and Windows 2000 server with Active Directory and services like Sendmail, Qmail, IMAIL , Squid , Bind, MySQL, Radius (IC Radius, Livingston, Extent RBS) , IIS 5.0, Apache etc.

Maintain E1 lines and of HDSL modems. Configure Access Servers e.g., Bay Networks Versalar 5000 series, Quidway Refiner A8010, Lucent , PortMaster 2e, PortMaster 3, Nortel Rapport.

Configure and maintain hardware like Sun Enterprise Server, Compaq Proliant ML350, ML370 servers