**Emmanuel Aderanti**

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S**hort Bio**

A well- qualified and extensively trained IT professional with over 15 years of systems engineering and project lead experience that excels at leading cross-functional teams and coordinating multiple projects simultaneously. Solutions-oriented Senior Engineer with notable success directing a broad range of IT initiatives while participating in planning and implementation of Cisco systems solutions heavily focus on ISE, NGIPS, FIREPOWER deployments in a distributed environment

Excellent analytical skills and problem solving.

**Achievements:**

* Firewall design, planning & deployments
* Configured static/floating routes, IP RIP, EIGRP, OSPF and BGP. Configuring GRE, WAN QOS, Cisco IP SLA, Policy based routing, redistribution
* Managed security operations team, 14 members global staff conducting 24x7 security monitoring, operations, and routine investigations for Cisco's network.
* Deep understanding of ISE deployments across networks
* Provided security direction for Cisco projects. Specializing in web security, consult with IT project teams to provide secure architecture for large projects. Wrote policy and standards documents to address secure programming and deployment.
* Mentored engineers through coaching, training, and guiding through technical challenges

**Core Networking Skills**

* Cisco Routers 1900, 2800, 2900 3900, 7500)
* Cisco Switches (C2950, C2960 Catalyst C29604500, 3750, 3500, 2900)
* Cisco Firewall ASA (5505, 5510,5520,5540,5550 series), CheckPoint, R77, UTM-1 570, Juniper, PaloAAlto
* Cisco Identity Services Engine (ISE 3315, 3355, 3395)
* Cisco Firepower NGFW (2110, 2120, 4110, 4140)
* Cisco IPS (3006, 3110)
* Cisco Firepower 2140 NGFW
* Cisco WSA (IronPort S170, S370, S380, S6900)
* Routing Protocols: EIGRP, BGP, OSPF, RIP
* VoIP Exposure: Avaya, IP Telephony
* Routing & Switching: MPLS, Multicasting, DMZ, VLANs,STP,VRRP, Ether-Channel, VRF,QoS
* VPN Security: Site-Site, Cryptography, DMVPN, GRE, GetVPN, FlexVPN, AnyConnect, VRF Tacacs+& Radius servers, IPSEC, DES, 3DES, SHA, MD5
* **Firewall:** Checkpoint FortiGate, PaloAlto Firewall (Administrative level User)
* Wireless: (110,1200,1300)
* Network Design and Documentation and simulation softwares; HLD & LLD, MS Visio GNS3, UNL, EVE, Packet Tracer
* Web Based: AWS
* Network Analysis Tools: (Wireshark, Solarwinds, TCPdumps etc.)

**Professional Experience:**

**JM (Royston)**

**Network Consultant (April 2019- Date)**

* Provide technical engineering and analysis competences in support of global communications projects
* Contribute to designs, undertake configuration updates and physical installation of equipment, health check existing configurations, implement production changes.
* Produce and update supporting documentation, participate in handovers to BAU, and adhere to the client’s Global IT standards.
* Validate information provided by local IT support staff and prepare each new LAN so that it can be monitored and backed up by network management tools.
* Add all new LAN devices to the appropriate network management tools, configuring alerts and backups as required.
* Ensure that documentation and systems of record are maintained and updated, in line with the company’s standards and policies.
* Monitor network activity and troubleshoot health issues, ensuring overall service is within acceptable parameters, Firewall ruleset review / remediation / cleansing

**Cisco Gold Partner (India)**

Cisco Certified Internetwork Expert Security **December 2018 – March 2019**

* Participated as team member on work package leader in projects involving network, security, wireless and infrastructure.
* Deloyed and managed Cisco ASA firewalls, in a managed service environment
* Deployed ISE to have full visibility into all devices connected to the network in real time to control the access privileges associated with each type of endpoint.
* Contributed to the planning, installation and upgrade of network and security platforms.
* Implemented and maintained IDS/IPS systems using Cisco Firepower appliances

**IBM Global Services (Sites Hermasbach and Clarivate) June 2017 – October 2018:**

**Role: Network Consultant (Team Lead)**

* Responsible for the core-networking infrastructure at corporate data, operation, and business centers along with access for customer sites. Served as liaison with Storage, Open System, Mainframe, and Operations to ensure coordination of planning and implementation. handled multiple concurrent projects that could affect customer production. (on various operating systems)
* Configured routing and switching equipment’s including Cisco ASA firewalls Cisco Catalyst, Cisco wireless Controllers, Cisco Call Manager, Telephony services, Voice gateways
* Configured and troubleshoot LAN and HDC topologies based on TCP/IP, IPX/SPX
* Deployed ISE to create policies for authentication and authorizations for both dot1x and endpoint devices
* Deployment and maintained IDS/IPS systems using Cisco Firepower appliances
* Strategic Planning and partnership for cybersecurity, I engaged in Network Security Consulting for customers
* Responsible for configuring, designing and maintaining Cisco ASA firewalls and Switches in a complex network environment, this includes troubleshooting issues on ASA firewalls

**Accenture Jan 2017 – May 2017:**

**Role: Technical Network Architect**

* Provided highly technical expertise in network and telecommunications architecture development, engineering processes, network/systems design, and product selection to ensure plans remain in alignment with Business and strategic objectives
* Accountable for installing, inspecting, troubleshooting and testing of customers premise equipment’s such as switches firewalls, routers, also configured network infrastructure devices with access control equipment’s and software
* Responsible for Infrastructure Management, Design and Planning, Deployment Management, Operations Management, and technical support
* Supported Implementation and Troubleshooting of complex Cisco based network in addition to Network Security Audits
* Responsible for the implementation of and design of simple to complex network solutions which include a mixture of dedicated network gear with connectivity to cloud
* Created comprehensive technical documents including Infrastructure diagrams, Support transition guides and other project specific documentation.

**Talk Talk Plc July 2016 – Dec 2017:**

**Role: Network Migration Architect.**

* Complete firewall migration from all other vendors to Juniper from the present 11.2R to the latest 12.3R version, setting up virtual VMWare lab machine in order to test before migrating to live system, migrating thousands of client network object, services, service groups, NAT Transition rules
* Configured & Troubleshooting Site-to-Site IPSEC VPN, Remote Access VPN, GRE over IPSEC VPN  
  Firewall: Installing, Configuring & troubleshooting Cisco ASA Firewall.
* Performed managed customer upgrades to ensure smooth running of vendor supported version of the upgraded software, and performed full life cycle of the upgrade process, that includes detailed upgrade plans and roll back options, specifying risks and impacts, documenting and carried out post implementation testing
* Maintain network security through proper configuration of VPN and Firewalls and ensure continued smooth operation of the network core and out of hours work as required
* Designed, managed and implemented complete infrastructure and construction of disaster recovery backup that includes enterprise class routers and switches, WAN/LAN Cisco ASA, Juniper firewall configurations

**Coal I.T. (Client: WHBTC Wembley) March 2016 – May 2016**

**Role: Project Wireless Engineer**

* Delivered the overall Cisco Meraki Access points integration, migration, and deployment and handed over the project to the school authority
* Wireless Network security, encryption, key managements and access control, Physical security; Disaster recovery; Recovery Planning/Hardware installation, set-up, configuration, migration, goal was to provide the school with Meraki solution upgrade for scalable internet access and to build up centralized management for all networking component involved, the Project was successfully completed in June 2016
* Deployed ISE to have full visibility into all devices connected to the network in real time to control the access privileges associated with each type of endpoint.
* Design of highly scalable and redundant WLAN core network, configuration and maintenance on the Cisco Meraki Wireless and Window Server for Radius Authentication
* Wireless LAN security assessment, securing the Wireless LAN with WPA and AES
* Design, install and manage a suitable Cisco Meraki wireless solution which supports the school’s strategy for staffs, students and also Guest access and BYOD access
* Microsoft Policy server configuration and users logging on splash with Meraki Wireless and Meraki MX Security Appliances and also create wireless VLAN on Meraki MX60 and 64W
* Site-to-Site VPN connectivity and to LAN/WAN on Meraki MX Security appliance

**SIEMENS AUTOMATION April 2015 – March 2016**

**Role: Network Project Engineer/Architect**

* Architect and implementer for primary WAN infrastructure at 12 domestic locations, including LAN infrastructures at all sites which include (all Project successfully completed)
* Defined, created and delivered documentation - hardware/software configurations, change control, downtime/availability, problem/resolution, procedures and resource usage to focus on business on business justifications
* Established networking environment by designing system configuration; directing system installation, defining, documenting, and enforcing system standards.
* Responsible for writing of Cisco Switches configuration scripts using Note ++, testing of the scripts which were used on the PHP and the control platforms in the rig before deployed it to life network rails.
* Lab tested new network designs before applying them, which helped our clients in making their decisions easy by testing their applications before applying the changes
* Implemented the installation the core hardware and software that makes up the network; loading switch and router configurations, creating VLANS, updating firmware, and monitoring network availability and performance/coordinating access to remote sites for installation and maintenance

**Royal Bank of Scotland EMEA and Worldwide April 2014 – March 2015**

**Role: Network Security Engineer**

* Configured, troubleshoot, and upgraded Checkpoint firewalls for managed clients, that also included network and resource access, hardware and software problems
* Provide technical assistance to the customers on complex issues of TACACS+, RADIUS, EAP, PKI, 802.1x Authentication Authorization & Accounting, Active Directory & RSA two factor Authentication on the ACS 5.x, ACS 4.x, CAS, ISE, ASA.
* Deployed ISE to have full visibility into all devices connected to the network in real time to control the access privileges associated with each type of endpoint
* Document each firewall change for audit requirements by contacting the SOC before and after each change and also providing successful of failed status
* Responsible for the overall network security which includes IPS, IDS, Cisco ASA Firewall (for failover and clustering), provided end-user support for VPNs
* Opened, resolved, updated support tickets for managed firewall of the RBS clients
* Network design included security firewalls and intrusion detection, network management. Performed installation and configuration management of security systems and applications (policy assessments and compliance tools, network security appliances and host-based security systems)

**BT OPenReach Nov 2012 - Dec 2013**

**Role: Network Engineer**

* Responsible for Network Hardware proposal and selection, also responsible for complete IT infrastructure with network admin and system admin
* Support new installations and troubleshooting on core networks, maintenance and upgrades on Cisco Routers with protocols such as OSPF, BGP, EIRP
* Design, Re-Design and implementation and rollout of customer networks, development of customized end-to-end solutions of customers
* Performed Network Audit using SolarWinds Inc.'s Network Sonar to identify all the devices on the network following the industry- specific regulations.
* Cisco Routers and Switches (IOS, IOS XE and CatOS), utilizing IP, EIGRP, BGP (Managed VPN) and Multicast
* Cisco ACS with group mapping to the external Active Directory database Integrated 10 Cisco ASA firewall with Cisco ACS server to provide authentication, authorization, and accounting with the TACACS+ protocol

**Flexmotions Limited**

**Role: Network Engineer July 2010 - Nov 2012**

* Maintenance of network and server components, troubleshooting user support, call
* Translated design into implementation solutions, generating working configurations & reviewing Test of Network Design/ Operational Documentation.
* Cisco Switching and Routing (OSPF, Trunking, VLANS, Subnetting) and Provide support for Network Infrastructure
* Worked closely with customers on the technical requirements to provide technical solutions, to identified requirements, which includes technical details sufficient for product definition
* Wireless Network security, encryption, key managements and access control, Physical security; Disaster recovery; Recovery Planning

**Genesys International**

**Role: Network Engineer July 1996 – Jul 2007**

* Network security/ Network troubleshooting and fault analysis
* Network performance monitoring
* Incident response, recovery and escalation
* Established, optimized, and secured the IP network environment through configuration, installation, documentation, and enforcing Com wave standards and industry best practices in environment consist of Data centre, Internet Access (DSL, Cable), and core/backbone routing and transport.

**Certifications**

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| **Networking** | Cisco Certified Design Professional (CCDP), Certified Wireless Network Administrator (CWNA), Cisco Certified Network Associate (CCNA) Cisco Certified Network Associate -Security (CCNA), Cisco Certified Network Professional (CCNP), Cisco Certified Data Centre Application Implementation (CDCASI) |
| **Security:** | CCIE Security Written (Certified)  Cisco Cybersecurity Implementation (210-255), Cisco Cybersecurity operation (210-250)  CEH (Certified Ethical Hacker) Certified |
| **Firewall Security** | Juniper Networks Certified Internet Associate (JNCIA) Certified Meraki Networking Associate (CMNA), Check Point Certified  Security Administrator (CCSA), Fortinet Certified Security Network Administrator (FCSNA) |
| **Cloud Technology** | AWS Certified Solutions Architect and AWS Certified Solutions Architect – Professional (AWS-PSA-2711) |
| **Solution Architecture** | TOGAF 9.1 Professional MBCS (British Computer Society Chartered Member) |
| **Service Delivery** | IT Service Management Foundation Certificate (ITILv3), |

**Education:**

* Master’s Degree in Data Telecommunications and Networks.
* Bachelor’s Degree in Computer Engineering.

**Professional Affiliation:**

British Computer Society

Irish Computer Society

AWS Partner