

Dugal O E Williams MBCS RITTech TMIET

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Professional Summary

Over 10 years progressive experience in Network Protocols and Communication Networks. Technical Cisco knowledge in designing, implementation, administration and support. In-depth knowledge of deploying IP protocols and troubleshooting. Proficient in usage of Microsoft VISIO as tools for technical presentation and documentation. Extensive experience in planning, implementation, configuring, testing, troubleshooting and delivering large scale complex projects. Currently up-skilling to move into Cloud Engineering and with the support of Amazon Web Services becoming technically knowledgeable within AWS Cloud, Python, Linux MySQL, and Agile. Presently seeking a challenging position in a dynamic, delivery-focused team where my skills can be utilised and years of experience to make a significant contribution to the organization's success. Current security clearance.

Work Experience

Senior Network Engineer | British Army | Bulford – (Jul 2016 – Present)

- ❑ Deployed Tactical Bearer platforms and managed a Wide Area Network across a 30km area of operation deploying multiple platforms.
- ❑ Managed the CIS capability of my department on deployment. Ensure the technical updating and servicing and repairs were carried in line with governance and assurance policies.
- ❑ I gave technical expertise advice to assist managers in making command decisions. This included designing and scrutinising various levels of the network architectures to achieve the best fit for the tasks given from Supervisors.
- ❑ Maintained and managed the junior personnel and equipment to ensure suitable readiness.
- ❑ Mentored and developed junior personnel in professional and personal skills and qualities.
- ❑ I delivered a range of mission critical technical programmes in varied environments.

Network Engineer | British Army| Corsham – (Jul 2013 – Jul 2016)

- ❑ I provided support and management for Secure Trunk Communications Systems and networks that deliver pulse code modulation (PCM) and compressed digital voice analogue voice, video conferencing, Internet Protocol (IP) frame relay, asynchronous transfer mode (ATM) and legacy Synchronous and Asynchronous data services over satellite, microwave, radio and leased line services.
- ❑ Provided technical assistance to deployed Network users and guided junior engineers through a various troubleshooting issues.

- Supervised testing of all changes in the system architecture following updated system diagrams and documentation to ensure they are correctly configured, tested and commissioned the installation of new Cisco switches, routers and encryption equipment into critical networks.

Systems Engineer | British Army| Germany – (Oct 2009 – Jul 2013)

- Responsible for the Cisco and Windows Sever configuration, installation deployment and the administration of Information Systems and Cisco network equipment
- Technically and tactically control deployment of Cisco, VoIP equipment and User Access Devices (UAD).
- Carried out on the job training for junior personnel.
- Controlled the deployment of Local Area and Wide Area Networks to support the customers.

Key Skills

- Technically knowledgeable with a foundation in AWS Cloud, Python, MySQL, Linux and Agile.
- Experience of large scale complex network implementation – delivered to short timelines, including delivery of a complete implementation of a new network equipment room, for a high-level head quarter in a new location, including website development.
- Network Engineering – over the the pass 10years I have gained progressive experience in networking from formal Cisco Certified Network Associate level training to on hands-on in configuration and installation.
- Adaptable – involved in new data systems project implementation in the military, cross trained in new technologies; JavaScript, Solaris and secure encryption imaging.
- Problem Solving – experience of solving equipment configuration errors while on operations in Afghanistan in high risk and demanding environments. Involving using Cisco knowledge to identify errors on mission critical network equipment to reduce intermittent outages.

Notable Achievement

Awarded a US secretary of State coin for systematically designing and implementing a re-configuration of a Network Equipments Room with 60 pieces of equipment including; Cisco Switches,Routers, Encryption devices and servers and redistribution of User Access Devices in a critical and functioning Joint Operation Centre of over 150 users, while on operation in 2010.

Training and Continuous Professional Development

- AWS re:Start Course (AWS Cloud, Python, MySQL, Linux and Agile) - Amazon Web Services - **June 2019.**
- Python Programming Course – Udemy – **May 2019.**
- Cisco Certified Network Associate (CCNA) Course – Career Transitional Partnership (CTP) – **May 2019.**
- CompTIA N+ - Bluescreen IT – **Dec 2018.**

- Wide Area Network System Manager Course - Defence School of Communications Systems
- NHC – Communications Systems Engineering - Bournemouth University – Jul **2016**.
- JavaScript Fundamentals – Quanta – **2015**.
- Solaris Fundamentals – Quanta - **2015**
- Communications Systems Engineer – Defence School of Communications Systems **2009**.
- Microsoft Certified Solutions Associate (MCSA) Course - Defence School of Communications Systems **2009**.
- ITIL Foundation 2009 – Defence School of Communication Systems **2009**.
- Future learning will be focused on AWS Certifications (AWS Cloud Practitioner, AWS Certified Solution Architect, AWS Certified Advanced Networking) through AWS training and certification learning, Cloud Engineering, DevOps and software development languages. I will also be sitting CompTIA and Cisco Network Certification exams.

Professional Affiliations

Current Security Clearance.

Institution of Engineering and Technology –TMIET

Institution of Engineering and Technology –EngTech (pending)

British Computer Society, The Chartered institute for IT – MBCS, RITTech