

Deric Ward

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PROFESSIONAL SUMMARY

Over two decades of network and systems design & engineering experience delivering consultancy, architecture, migration support, commissioning, troubleshooting, installation, and operations for blue chip & government clients, implementing new services, networks and Disaster Recovery (DR) solutions. Voice/video/data integration, live & on-demand video streaming, and live conferencing implementations. Troubleshooting skills down to packet-level analysis for network, hardware, and software debugging. AWS Amazon Web Services certified. Python and C++ software and script development, front-end web design. Data Science and Machine Learning implementation and analysis with Python, various libraries, and DBs. UK Government security clearance SC/CTC, now expired, no issues affecting renewal.

PERSONAL STATEMENT

Returning to the industry following retirement and recent technical training. Details on request.

Retraining 2018-2023+ (ongoing)

- ❑ Front End web development with React, Javascript, AJAX, JQuery, Node
- ❑ Cloud architectures and cloud network engineering
- ❑ Machine Learning
- ❑ Data Science and statistics
- ❑ Software engineering

Retired 2005-2017

- ❑ End-of-life care to my mother
- ❑ Developed C++ software for the REAPER DAW (Digital Audio Workstation)
- ❑ Built Ducati Superbikes for racing and track day use for both myself and international clients
- ❑ Built an analogue recording studio and later converted it to a hybrid digital & analogue solution
- ❑ Fulfilled my personal 'Bucket List'

PROFESSIONAL EXPERIENCE

Senior Network Consultant IBM, UK 2003-2005

- ❑ Delivered migration network architectures and consultancy services to IBM's managed customers
- ❑ Architecting and commissioning of Data Centres (DCs) for IBM and their corporate clients
- ❑ Provided emergency troubleshooting, DR support, and solutioning for extraordinary events

Network Consultant, Senior Network Consultant Government, UK 1997-1999, 2000-2003

- ❑ Designed, planned, and implemented secure, compliant, government networks including:
- ❑ Architected and delivered various DCs, DMZs, and various MANs for several govt depts
- ❑ Delivered a national LAN redesign and replacement roll out programme for DEFRA
- ❑ Architected and commissioned DEFRA's outsourcing of their IP WAN to Global Crossing
- ❑ Migrated and supported MAFF's national WAN migration from an X25 WAN to an IP WAN
- ❑ Developed and supported the London Whitehall Secure Access network
- ❑ Specified and implemented ad-hoc networks for MAFF's national BSE response
- ❑ Architected, commissioned and provided 3rd line support for many other smaller projects
- ❑ Delivered video conferencing, video streaming and video-on-demand services on a national scale

PROFESSIONAL EXPERIENCE *continued*

Network Specialist Galileo UK, British Airways, UK 1994-1997

Designed, planned, and implemented bespoke networks for Galileo's 14,000+ customers including:

- ☐ Eurotunnel
- ☐ British Rail, and global ferry, car hire, hotel operators, and other bookings companies
- ☐ The first automated combined flight ticket & boarding pass system (ATB)
- ☐ Architected and delivered LAN migrations from legacy networks on a national scale
- ☐ Designed, built, and tested prototype networks for new service and product developments
- ☐ WAN capacity planning and performance tuning
- ☐ Trained technical staff and prepared documentation for the new products and services above

Senior Network Engineer Galileo UK 1991-1994

- ☐ Team leader to DC/NOC engineers and junior engineers
- ☐ Designed, planned, and implemented CUG/VPN networks for Galileo's customers
- ☐ 3rd line technical support to the DCs and field engineers
- ☐ Upgrading, troubleshooting, and replacement of core network hardware in the DCs
- ☐ Production of daily & weekly reports on outages and performance for SLA management

Network Engineer Galileo UK + **Junior Network Engineer** Travicom, UK. Galileo UK 1985-1991

- ☐ DC/NOC operations support including monitoring and troubleshooting WANs, LANS, gateways
- ☐ Protocol and packet analysis on WAN and DC traffic
- ☐ Installing hardware and cabling for new DC equipment
- ☐ Configuring network monitoring platforms (ie HP Openview + bespoke systems)
- ☐ Updating EEPROM software and firmware in DC equipment
- ☐ Raising and owning support tickets with Telcos and hardware vendors
- ☐ Customer liaison during faults
- ☐ Constructing specific/one-off cabling for bespoke hardware interconnection
- ☐ 2nd line support (Network Engineer) and 1st line support (Junior Network Engineer)

PERSONAL SKILLS

Professional interpersonal skills across all levels of business and government. Reliable and conscientious. Integrates quickly with existing teams. Highly diligent regarding security and privacy related matters.

RELEVANT EDUCATION & TRAINING

2020/2023 (completed & ongoing):

edX Front End Web Development Bootcamp

AWS - Certified Architect Associate, Amazon Web Services certification training

AWS - Certified Developer Associate, Amazon Web Services certification training

Blockchain for Business Professional Certificate, The Linux Foundation

MIT - Statistics and Data Science, Massachusetts Institute of Technology

GTx - Data Analytics for Business, Georgia Institute of Technology

IBM Data Science Professional Certificate - validation number: XX6WWWAXXHGR

MIT - Introduction to Differential Equations, MITx18.031x, Massachusetts Institute of Technology

ASU - Precalculus MAT170, and College Algebra and Problem Solving MAT117, Arizona State University

Responsive Web Design Certification, Freecodecamp.org

JavaScript Data Structures and Algorithms Certification, Freecodecamp.org

2018/9: (completed):

AWS - Certified Cloud Practitioner - validation number: YMCLMZV2MFR41BSK

IBM - Applied Data Science Specialization - validation number: 8HBWKK3H6YRJ

IBM - Introduction to Data Science Specialization - validation number: FESHQH29D8Y9

Data Analysis with Python

Data Visualisation with Python

Machine Learning with Python

Python for Data Science and AI

Data Science Methodology,

Databases & SQL for Data Science

Data Visualization with Python

Open Source tools for Data Science

Previously:

Extensive manufacturer training eg Cisco, Check Point, IronPort, Blue Coat, Satelcom, 3Com, HP, Polycom.

C++ programming

HNC Data Communications and Network Systems.

BTEC ONC Electronics and Electrical Engineering.

C&G 224 TV and Electronics Servicing and Repair.

KEY SKILLS

Network Architecture	Network Troubleshooting	Firewalls	Routers & Switches	Load Balancers	Hardware Diagnostics
Capacity Planning	Network Performance Analysis	Software Engineering	Machine Learning	Data Analytics	
Python Programming	Writing Automation Scripts	Cloud Services	Hybrid Cloud Network Design	Network Migrations	
JavaScript	React	AJAX	Node	JQuery	TDD - JEST