

# JAMES MEEK

## PROFILE

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- A highly qualified and experienced Data Networking and Communications Security consultant.
- Strong project management skills and exceptional commercial acumen.
- Practiced in providing the interface between product management and service delivery.
- Experienced in producing and presenting strategic solutions for blue chip companies (including Barclays, BT, Alcatel-Lucent, Cable & Wireless, Virgin Media and the BBC)

## ACHIEVEMENTS

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- Designed a suite of business broadband products for Virgin Media Business
- Designed and delivered MPLS VoIP migration for Barclays
- Designed and delivered secure VoWiFi solution for BT
- Delivered high-level designs for Reuters' global MPLS products at BT Radianz
- Delivered high-level designs for ntl's Voice Over Broadband solution
- Board level presentation and demonstration to ntl: for BT C&SI
- Produced design and delivered multi-technology xDSL platform for C&W
- Designed and delivered 2000 user secure Remote Access platform for BBC – UK & International

## EXPERIENCE

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January 2009 to  
January 2010

### **Virgin Media – London**

#### Product Architect / Security Consultant (Contract)

James designed a new suite of broadband products for Virgin Media Business. These included high-availability, dual-path, secure broadband inter-site connectivity solutions using a range of technologies including DOCSIS, L2TP and IPSEC. James wrote the technical requirements for a major ITT for Virgin Media's new cable modem gateways and used his experience and knowledge of secure data communications systems to provide specialist pre-sales support to a successful public sector bid. James ensured that all proposed solutions were compliant with internal policies and external security standards and best-practice guidance. In addition to writing papers on the secure deployment of routed platforms in cable networks (CM/CMTS) and on the use of cable networks for secure government data communications, James acted in an advisory capacity on the Hampshire PSN2 programme and facilitated communications between the design and security work-streams of the wider Cabinet Office PSN programme and the Virgin Media Business design team. James also reviewed and contributed feedback on various draft documents from CESG relating to the PSN.

Skills: Cable, HFC, CMTS, ADSL, Cisco, MPLS, network design, ISO27001/11.

December 2007 to  
June 2008

### **Barclays Bank – London**

#### Network Design Consultant (Contract)

James was responsible for the High Level Designs, Detailed Designs and the implementation of a project to migrate some 2000 users at a VoIP call centre in Noida, India from an outsourced extranet provided by Intelenet Global Services to the Barclays International MPLS network following the acquisition of the site by Barclays Shared Services. This involved working closely with in-country and international service providers such as BT, Verizon, Bharti, TATA and others. As personnel in India would have access to credit card data stored on servers in the UK, certain measures were necessary in order to achieve and maintain compliance with PCI-DSS. In particular the solution involved the deployment of Juniper SSG firewalls (HA mode) on site in India and significant modifications to the dual-skin firewall systems (Juniper/Lucent) protecting the Barclays GRCB UK data centres. With access to applications provided via thin-client technology, SSL was used to provide encrypted transmission of all data across the International MPLS circuits. Despite demanding timescales the network migration was completed on time without service disruption at this high-profile 24 x 7 site.

Skills: Cisco, Firewalls, QoS, MPLS, network design, documentation.

## EXPERIENCE (CONT.)

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November 2006 to  
December 2007

### **Alcatel-Lucent – Berkshire and France**

#### Security Design Authority / Technical Design Authority (Contract)

Responsible for the development of the security aspects of a dual-mode VoWiFi/GSM telephony solution for British Telecommunications PLC. This involved the design and implementation of an on-demand AES IPSEC VPN (using PKI, IKEv2, EAP-TLS and RADIUS) into Lucent Brick firewalls. Responsible for the definition of the firewall, client, PKI and RADIUS configuration, proof-of-concept and Alpha/Beta product trials at Clydesdale Bank and HBOS. Promoted to TDA for the overall project at Alcatel-Lucent in August 2007.

Skills: IPSEC, WiFi, RADIUS, Firewalls, QoS, network design, documentation.

April 2006 to  
September 2006

### **BT Radianz – London**

#### Customer Solutions Consultant (Contract)

Responsible for producing high-level MPLS network designs for Reuters' global financial products as part of the BT "Keystone" programme. Delivered designs for: the expansion of Reuters' European Mid-Tier solution into the Asia Pacific region, Reuters' global inter-data-centre MPLS VPN, Reuters' joint venture with the Chicago Mercantile Exchange for the "Foreign Exchange Market Space". This role required excellent communication skills as it was necessary to ensure that the customer's requirements were clearly specified and that the design was effective in meeting those requirements.

Skills: Cisco 7200, 6500, 3560, QoS, MPLS, network design, documentation.

October 2005 to  
April 2006

### **ntl:Networks – Hook**

#### Network Architect (Contract)

Primarily responsible for producing high-level designs for ADSL products and services delivered via BT Datastream and IP Stream. Worked closely with Product Management and Network Service Development to develop a clearly defined product strategy for off-net xDSL services. Responsible for a proof-of-concept system on the Cisco 10000 ESR BRAS platform utilising Hierarchical VP Shaping to deliver "Tiers of Service".

Played a key role in the core virtual team responsible for architecting ntl's Voice over Broadband (VoIP) solution. Produced high-level designs for the supporting DCN platform and worked closely with Operational Security to ensure that the perimeter security of the DCN was not compromised by the deployment. Produced high-quality documentation in support of DCN and off-net xDSL aspects of the VoBB architecture.

Also worked closely with the office of the CTO on the "Next-Generation Broadband" project to deliver Ethernet-based VDSL2 solutions using ntl's existing copper infrastructure.

Skills: VoIP (SIP based), Cisco 10000, Agilent N2X, design, documentation.

June 2005 to  
October 2005

### **Telewest Broadband – Bradford**

#### IP Engineering Consultant (Contract)

Engaged as an IP Engineering Consultant at Telewest's £30million test facility in Bradford, West Yorkshire. Designed and built secondary IP VPN test platform with associated service activation OSS (Metasolv IPSA). Upgraded PE routers to new IOS and carried out IPSA functional tests to approve new IOS. Carried out development of QoS design and subsequent functional approval (CBWFQ/LLQ, policing and traffic shaping) using Smartbits traffic generation and analysis system. Currently working on CE IOS approval and approval of new Cisco devices (2800, 3800 ISR).

Skills: Cisco (12000, 7500, 7600, 3700, 2600, 3600 and 1700), MPLS, IP QoS, CBWFQ/LLQ, Smartbits, Metasolv IPSA

## EXPERIENCE (CONT.)

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May 2005

**Inclarity – Wembley**  
Senior Network Engineer (Contract)

Delivered network design based on Cisco's Architecture for Voice, Video and Integrated Data (AVVID). This design incorporated a 3 tier model based on Cisco 7600 devices with switched access and distribution layers and a routed inter-site core layer. The design also specified appropriate Diffserv behaviours at each layer to provide minimal latency for Inclarity's VoIP traffic. Also configured customer e-BGP connections on the public Internet and analysis of SNMP MIBs using MG-Soft's MIB Browser software.

Skills: Network Design, Cisco AVVID, VoIP.

February 2005

**Detica – Guildford**  
MPLS Security Analyst (Contract)

Engaged as an MPLS security analyst to provide technical expertise, advice and documentation as part of a security study for a UK telecommunications provider. This was a customer facing role based primarily on the end customer's sites. Delivered a report containing observations on the security of the end-customer's core network and that of their MPLS based product suite.

Skills: MPLS Security, BGP, Product and Service Design

March 2004 to  
December 2004

**BT Consulting & Systems Integration – Fleet**  
Architect (Contract - 3 months rolling)

BT C&SI Telco Sector Bid Team: Engaged as an Architect to enable BT C&SI to respond to an RFI from a major UK Cable Operator. Responsible for the architecture of the proposed solution. Wrote the technical aspects of the RFI response. Subsequently designed and built a demonstration MPLS network (Cisco) with associated Service Activation OSS. Wrote the technical aspects of the RFQ response (BT having been accepted at the RFI stage as one of three preferred systems integrators). Also responsible for writing parts of an RFI response related to local loop unbundling (LLU) for a major UK ISP.

BT Openzone: Part of a BT C&SI project team on the BT Openzone "Take Up Study". This project was to assess the service's market barriers and to report on the user experience. Responsible for the security aspects of the project. This resulted in BT C&SI's security practice being engaged in a broader security assessment role.

Pre-Sales: Responsible for qualifying and providing expert technical advice on a number of BT C&SI sales opportunities in the UK and worldwide. Provided market/competitive analysis reports and presentations.

Skills: Metasolv IPSA, Cisco (7500, 2600, 3600 & 2950XL), MPLS, multi-media over IP, Intelliden, Cramer, Netcool, Concord, Brix, Smarts, Compaq/HP Servers, Diffserv, Microsoft Media Services, Business Analysis, business and commercial strategy.

## EXPERIENCE (CONT.)

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October 2002 to  
March 2004

### **Energis Communications Ltd – Reading** OSS Business Analyst (Permanent)

Design Authority for the Orchestream Service Activator MPLS VPN provisioning system. Delivered system into operation and provided supporting technical documentation. Delivered IP QoS solution using OSA. Delivered "VCoS" product. Delivered "Multi VPN" product. Provided analysis of the Cisco class-based MIB for reporting using Concord Network Health. Provided additional consultancy to several projects including: IPSec delivery over MPLS VPN's, Broadband (DSL) delivery into MPLS VPN's, Netcool fault reporting, Multi-VPN using VRF Lite.

Worked closely with the Service Design and Products & Marketing departments to ensure that business requirements were met. Provided significant technical input to Technical Service Design documentation.

Skills: Cisco 7500, 7200, 3600, 2600, 1700 router configuration. MPLS VPN configuration on PE's. I-BGP, E-BGP, IS-IS, EIGRP, RIP routing. CB-WFQ, CAR & CBP policing and marking, WRED congestion avoidance. Cisco class-based MIB. Windows 2000 Server. Compaq(HP) and IBM server hardware.

August 2001 to  
June 2002

### **Travelling**

Worldwide including US, Australia, Indonesia, Japan, and Africa.

Dec 1999 to  
June 2001

### **Cable & Wireless – Bracknell, London and Europe**

Principal Consultant, Access Technologies (contract-3 months rolling)

DSL Project: Global Design Authority for DSL (IP Layer). Responsible for all Layer 3 designs and strategies. Played a key role in vendor selection, type approval and systems integration testing. Member of the Lucent/C&W Joint Project Team. Member of the LLU Trials Working Group. Responsible for key developments to the RADIUS platform to support xDSL. Primary interface between the Development and Products & Marketing work-streams enabling the development of marketable trial and launch products. Responsible for the technical integration of BT's IPStream and DataStream products into the C&W IP networks. Delivered ATM, IPSec and MPLS based teleworker solutions for the LLU Beta Trial. Responsible for all security related aspects of the project.

Internet Dial Platform: UK Design Authority. Responsible for all designs and developments to the UK platform working closely with the Global Design Authority in the United States. Primary interface between C&W and the systems vendor (Cisco) to identify and rectify inconsistencies on the Access Path platform. Responsible for assessment and reporting on the dial-in capabilities of C&W's European ISP acquisitions. Attended C&W Global network strategy meetings on behalf of UK IP Networks group.

SecureDial: Global Design Authority. Responsible for all platform developments and enhancements. Responsible for the integration of SecureDial with Layer2 VPNs based on frame relay, ATM and MPLS. Responsible for implementation and configuration of Windows 2000 Server systems to support IIS5 services, firewalls and Internet Authentication Services.

Skills: Microsoft Project, Team Leadership, Technical Strategy, Formal Project Methodology (PRINCE2), Cisco Routers (5300, 7200, 3600, 2600) and Cisco Switches (2900, Catalyst 5000) Lucent Cellpipe, IPSS, MAX TNT, MAX4000, Pipeline, Compaq Proliant Servers, Microsoft Windows 2000 IAS, Security Dynamics ACE/Server, Windows NT 4.0 Server, Novell Border Manager, Checkpoint Firewall One, Netware 4.1, TCP/IP, IPX/SPX, PPP, Frame Relay, ATM, FDDI, ISDN, DHCP, RADIUS, PRI, WINS, IPSec, L2TP, L2F, ADSL, G.SHDSL, PPPoA, PPPoE, RIP, OSPF, BGP, Lucent Broadband Access Servers.

## EXPERIENCE (CONT.)

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- Aug 1997 to  
Oct 1999
- British Broadcasting Corporation** – London, Israel & USA  
Remote Access Development Team Manager (contract)  
Responsible for the design, implementation and development of the BBC's remote access services - UK Dial (2500 users), International Dial (500 users), Static Access (200 users). Responsible for the recruitment and management of eight engineering and technical project management staff. Responsible for final project handover and implementation review. Design Authority for Change Management Board. Provided consultancy and project implementation services for BBC World Service Newsgathering foreign bureaux in Israel and the United States. Project Manager for the internetworking of 80 BBC Regional studios using Nortel CLAM SOHO routers. Member of the Pan-Regional ENPS Project Board.
- June 1997 to  
August 1997
- Deutsche Morgan Grenfell** – Bishopsgate, London  
Project Leader (contract)  
Responsible for successful Novell Netware to Windows NT migration. Defined standard build for Windows NT Workstation for Investment Banking Division.
- April 1997 to  
June 1997
- News International (NDS)** – Heathrow, London  
Network Infrastructure Analyst (contract)  
Designed TCP/IP Wide Area Network. Re-structured cc:Mail messaging systems including X25 connectivity with offices in Israel.
- Nov 1996 to  
Feb 1997
- Bytes Computers Ltd** – Surrey & Central London  
Senior Consultant (Permanent)  
Providing pre-sales support, network design and consultancy to Bytes' clients including National Grid, Hays PLC, Fina Oil and National Trust.
- Dec 1995 to  
Nov 1996
- SHX PLC** – Oxfordshire & Germany  
Training Consultant (Permanent)  
Providing Microsoft systems training and consultancy to clients including the US Air Force, Norwich Union, Eagle Star, Training Solutions and Interquad.
- Jan 1994 to  
Dec 1995
- Research Machines PLC** – Oxfordshire & UK Wide  
Systems Engineer (Permanent)  
Providing engineering and consultancy to schools, colleges and universities. Installing customised Microsoft LAN Manager 2.2 networks using Microsoft OS/2 1.31 and Windows 3.1. Systems include both bridged NetBEUI systems and fully routed IP and IPX. Redesigned the RM PLC production network using Netware 3.12.
- May 1992 to  
Jan 1994
- Dun & Bradstreet (Nielsen)** - Oxford  
Support Analyst (Permanent)  
Supporting 800 user IBM OS/2 LAN Server network.

## EDUCATION

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Lord Williams' School Thame, Oxfordshire	1980-1985
Lord Williams' Sixth Form Thame, Oxfordshire	1985-1987
Oxford College of Further Education Oxford	1987-1988
University of East Anglia Norwich, Norfolk	1988-1991

## QUALIFICATIONS

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Certified Information Systems Security Professional (CISSP)  
Cisco Certified Internetwork Professional\* (CSCO10251273)  
Cisco Certified Network Professional\*  
Cisco Certified Network Associate\*  
Cisco Certified Design Associate\*  
Microsoft Certified Systems Engineer (ID 13773)  
Microsoft Certified Trainer\*  
Microsoft Certified Professional  
Bachelor of Engineering (Electronics Engineering)  
4 GCE 'A' Levels and 8 GCE 'O' Levels

\* Expired

## TRAINING

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CISSP residential course – Firebrand Training  
Configuring BGP on Cisco Routers – Azlan Training  
Multi Protocol Label Switching – Azlan Training  
Cisco Internetwork Troubleshooting – Azlan Training  
Building Scalable Cisco Internetworks – Azlan Training  
Configuring Orchestream Service Activator 3.1  
Prince 2 Foundation  
Lucent MAX TNT Installation and Configuration  
Additional courses from Microsoft, IBM and RM

## PROFESSIONAL MEMBERSHIPS

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International Information Systems Security Certification Consortium (ISC)<sup>2</sup>  
Institute of Information Security Professionals (IISP)  
Institution of Engineering and Technology (IET)  
British Computer Society (BCS)

## INTERESTS

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Travelling  
Skiing  
Diving

## OTHER

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UK Passport  
Full clean driving licence  
Date of Birth: ##-##-1968

**REFERENCES AVAILABLE ON REQUEST**