

Overview

Key Skills and Experience:

Undertaken contracts in Project Management, PSTN capacity planning, voice service migration, MPLS, wireless LANs, UMTS, VoIP, ISDN, SDH, Mobile Networks, GSM and SNMP. Extensive International travel: Pan European, America and Pacific Rim regions. Author of Certified Training Programmes for Large Telecommunications Organisations, Leading Presenter and Technical Trainer, Development of Training materials, Training Needs Analysis. Extensive knowledge of Telecommunications, Network Management Systems, Wireless Networks and Internet Protocols. 20+ years in Telecommunications and Networking

Areas of Technical Expertise:

21st Century Networks, Project Management, Network Design, Network Management, VoIP, Telecommunications, PSTN Switching, Mobile Networks, MPLS, UMTS, Internetworking, TCP/IP, Routed Networks, Web Servers, HP OpenView, Transmission, Sonet/SDH, ATM, Frame Relay, X.25, OSI, IEEE 802.11, 802.16 WiMax, wireless LANs and Voice over IP, H.248, SIP, H.323. Major Internet protocols: TCP, IP, MPLS, UDP, SNMP, RMON 1&2, HTML, HTTP, SMTP, FTP etc., Protocol Analysis and Sniffer Traces, Expert Technical Trainer

Working Knowledge:

Programming in C++, VB, Java, SQL, CGI Scripting, Cobol, Fortran, Multiplan, Assembler Operating Systems: Windows, Linux, UNIX Configuration: Cisco Routers, Hubs, Bridges, PBX, Telephone Switches PC Repair and configuration Office and Authoring Software: Word, Excel, PowerPoint, Access, Frame Maker etc

Educational Qualifications:

B.Sc. Hon. (Computer Science) from The City University, London. Graduated 1971.
Certified Wide Area Network Professional
LTI Certified Trainer

Personal:

Born 2nd December 1948

Married

Current marriage (16 years)

Currently live in UK. Have lived in Netherlands, USA and UK during periods of the last 20 years.

Hobbies: Painting, Cooking, Theatre and watching American Football.

Languages: English with school-boy French and German

Professional Experience

Undertaken consulting contracts for clients in Britain, Sweden, Denmark, The Netherlands, Germany, USA and Caribbean. These have included work for Telephone companies, PTTs, government agencies, major computer and telecommunications suppliers and major network operators.

Author of courses for Perpetual technical training company and international market leader in the field of Communications and Computer related training.

Development of Programmes of Training for major Carriers including BT, Cable and Wireless, AT&T, Vodafone, Jutland telephone, PKN and others. Programmes include Next Generation Networks, IPTV, Telecommunications Network Design, Wireless LANs, TCP/IP, SNMP, ATM, OSI, SDH, PDH, Advanced Internet and Voice over IP etc.

Training project management, authored training materials for delivery in all major training formats. Trained instructors using "Train-the-trainer" techniques including acting as lead instructor of teams. Training formats include, Instructor Lead Lectures, Hands-on workshop, computer based (CBT) and web delivery.

IP Television Systems Triple Play Networks Wide Area Networks Network Planning Support and Management Mobile Networks: GSM, GPRS, UMTS and 3G Technologies Introduction to Telecommunications Computer Telephony Integration Hands-on Voice over IP Implementing and Securing a Wireless LAN Wide Area Networks and Telecommunications High Speed Networks: ATM, SDH, Broadband Networks Next generation Networks Hands-on SNMP Hands-on OSPF and BGP4 Hands-on TCP/IP Internetworking Building an Internet Web Server

Also Authored Special Training Programmes for: Alcatel; UMTS, Voice over IP and Internet Technologies BT 21st Century Network Planning and Design British Telecomm Network Services: TIPS: 3 week programme on TCP/IP Network Design BT Broadcast Systems: 5 course programme on Introduction to Datacom, ATM, Cisco Routers, HP OpenView and SNMP BT Mobility Systems: 3 module Programme on IP, Voice over IP and 3rd generation Mobile Cable and Wireless Sales: Data Systems for Sales Professionals MOD: Information Technology Infrastructure Library (ITIL) Operational and Service Management Nortel: OSI, ISIS and OSPF Samsung: VoIP for PBX Technicians and How to Sell VoIP, Wireless Local Mobile Systems

Employment History

1984 to Present Technical Trainer and Consultant:

Director and chief technical consultant responsible for development of training materials either alone or with contractor assistance where needed. Software design, development and extensive field testing is undertaken personally. Consulting work includes development, deployment, migration, sales and technical support for manufacturers, operators and major training agencies.

1973 to 1984 National Health Service:

1983-1984 Deputy Director St Thomas Hospital Computer Centre. Responsible for project management of patient care applications design, software and training support. These were run on a network of specialised mini computers from a number of different manufacturers interconnected over a Local Area Network. This was the first Networked hospital system in the UK and remains one of the largest in a Teaching Hospital Group.

1976 to 1983 Special Projects Manager for South East Thames Regional Health Authority. Responsible for communications technical support and training for telephone and data networks for all hospitals in South East Thames Region of the UK. Included the development of communications from one VDU to 100 node data network over a 3 year period and installation of first Local Area Networks in the UK health service. The first Ethernet in Europe was installed at St Thomas Hospital.

1973 to 1976 Deputy Manager of Hospitals Computer Centre for London (HCCL) with a staff of 142 including programmers, analysts and operations staff. This was the computer centre for some 500 hospitals serving all of London and the major part of the population south east England. Following the reorganisation of the health service in 1974 the centre and our staff were divided up between three regions of the reorganised service. The service provided included payroll for over 300,000 staff, accounting, patient activity analysis, stock control and child health care.

1972-1973 Datasolve International

Software Programmer and Operating System Specialist for Datasolve International, an international computer bureau serving the financial markets of the City of London.

1971-1972 Elliot Automation Space and Advanced Military Systems (EASAMS)

Systems Engineer, responsible for computer models and simulations for weapon aiming and communications systems. Worked on parts of the Multi-Role Combat Aircraft (MRCA) now called Tornado before it flew and on naval air defence models.

1967-1971 ICL

Student Apprentice at ICL on thin sandwich course while at University for 6 months of each year. During industrial periods worked on development of interpreters for high level language MULTIPLAN, and on assembler code developments of business packages.

Example Assignments

Samsung Telecom, UK

Consulting employed as “MPLS Expert” on BT Next Generation Bid team. Provided support on expertise in responding to ITT and questions relating to MSAN and Metro-node architecture, switching technologies, Gigabit Ethernet, SDH, VoIP and H.248 call servers.

FTel, UK and Ireland

Consulting and training for development team working on Gigabit Ethernet aggregation, Megaco H.248 residential gateway and call server interactions.

Keymile, England

Voice over IP and ADSL access systems providing capacity planning and protocol planning details for both H.323 and SIP solutions for VoIP services for ADSL line access infrastructures, triple-play and Quad-play Networks

Tandberg Television, England

Triple-play access networks and IP delivery of television services over broadband DSL. Design and deployment options for multicasting TV over broadband distribution networks using MPLS, IGMP and PIM.

Siemens Mobile Internet Systems, Munich, Germany

Consulting as Training Project Manager to the Technical Consulting group of the Mobile Internet Division in Munich Germany. Major step change in development from circuit based telephony to third generation packet based design using VoIP, IPv6 and mobile internet services for UMTS networks. Working areas covered major core network infrastructures, capacity planning and design concept changes. Undertook assignments in Munich and Berlin.

European Space Agency, Noordwijk, The Netherlands

Undertook a study spread over 6 months of Columbus space station Data Management System (DMS) during the phase 2.BX study phase of the project. This is now part of the International Space Station. Work included capacity planning for network infrastructure.

As a result of this work significant fundamental changes in the design baseline were made, and wide area distribution of results distribution was included in the design.

Techvik, Stockholm, Sweden

Undertook a study and technical evaluation including site visits throughout Europe and North America with Techvik Directors providing technical support to negotiations for the supply of systems into Scandinavia when free market is introduced. Visits included Harris in San Francisco, Atea in Belgium, Philips in Hilversum, Plessey in the UK and SAT in Paris. The main aim of this project was to evaluate the product future growth into the ISDN marketplace over a 5 to 7 year period, and to uncover weaknesses and incompatibilities in the product that would prove to be a problem in the future.

Example Special Training Assignment and Authorship

Company	Courses/Programmes
Alcatel	ATM, VoIP, UMTS
AT&T Oakton, VA	Development of training programme for US government sales force
British Telecom	21st Century Networks, Internet protocols, Voice over IP services and Wireless network design. TIPs programme of training for 500 staff over 15 days of training each.
California Transport	Implementing ATM for the California highways service.
Cable and Wireless	Development of training programme for UK data sales force
Concert Telecommunications	Voice over IP for engineers working for AT&T/BT joint venture building and testing world VoIP networks.
Eircom	VoIP
Ericsson Sweden, Germany & USA	Internet Telephony, Voice over IP, SIP and Megaco H.248 call servers
European Space Agency	TCP/IP for operations and engineering personnel on ground based operations network for satellite control.
Hong Kong Productivity Council	SNMP, Network Design, Network Management
IBM Austin TX	10 week certified programme for ISSC consultants in Data Communications, Local Area Networks, TCP/IP, SNMP
IBM UK	ISDN for call centre staff and a special course in modem design
Intel, Hillsboro, Oregon	Introductory course for design engineers in ISDN and CCITT standards for video-phone and tele-services over ISDN Basic Rate Access

Keymile	Voice Over IP Capacity Planning
Lightreading	Hosted Webinars on State-of-the-Art Telecommunications and Networks over the Internet: VoIP, Next Generation Access, Ethernet Aggregation, IP-TV
Lucent San Jose CA	PortMaster 3 / 4 Internet Access concentrators
Mitel Canada	Introduction to Telecommunications
MOD UK	Information Technology Infrastructure Library (ITIL), X.25, ITSM
Motorola Chicago	X.25, ISDN and introductory courses in voice telephony systems.
NASA at Cape Kennedy	Data networks, LANs and TCP/IP.
Newfoundland Hydro	Data networks to control of public electricity generation.
Nortel Ireland	OSI protocol development, ATM network management
Pacific Bell	ISDN
Philips Netherlands	ISDN, Introduction to Telecommunications
PTT, Netherlands	ISDN, Telecommunications, Local Area Networks
Reuters Long Island NY	Local Area Networks and TCP/IP
Samsung Telecom	VoIP, Wireless LANs, Local Mobile Voice
U.S. Army in Germany	Introduction to Telecommunications
U. S. Coast Guard	Network Protocols and Network Design
Vodafone	High speed networks for GSM infrastructures, Wireless LANs