

Profile:

Senior Transmission Architect/Engineer with 10 years in the mobile (including 3G) and fixed line industry
Experienced in the design, planning, project management and also the install and commissioning of SDH/DWDM Carrier Ethernet & ATM Optical Networks.
Experienced in both Greenfield and existing networks environments.
Competent Technical Trainer, PC literate,
Fluent in the German Language

Career Achievements:

Design & technical lead of ESL DWDM/SDH network utilising WSS and ASTN.
Designed & implemented the Transmission PSTN interconnect network for the UK's first 3G operator
Established Build & acceptance Standards for the transmission network of the UK's first 3G operator.
Project led the build and commissioning of the transmission backbone for ntl's IP Supercore network.
Author of the Install and Commissioning Guide for Nortel Fibre Optic Build in the NTL Network.
Successfully co-ordinated NTL Networks' Network Engineering Year 2000 program.
Negotiated Rail Cards with the Austrian-Rail authorities that gave a 50% reduction on rail and bus travel through out the entire country.

Employment:

2001 –Present

Ericsson Services Ltd, previously 3 UK, Hutchison 3G UK Ltd

Senior Backbone Transmission Engineer – Managed Radio Access, National Team

My role involves all the processes necessary to bring a transmission requirement from concept through into operation within the ESL or 3UK transmission networks.

This includes but is not limited too:

- Creation of the RFQ/RFI,
- Resultant analysis of received RFQs,
- Creating & managing project budgets
- Reviewing and selecting the right technology.
- Design, dimensioning, planning, type approval testing,
- Implementation, commissioning and handover to operations.
- Management of Contractors/ external teams

Examples of such work include:

- Design and implement Ethernet transmission backhaul solution for mobile broadband.
- Design of new optical transmission network for ESL
- Rollout of a new dedicated optical transmission network for 3UK
- Design & implementation of interconnect to support RAN Rel 99, rel4, rel 5 architectures.
- Node Relocations
- Type Approval (verification) Testing of new transmission equipment for both 3UK and ESL transmission Networks
- Capacity Expansion

Alongside my day to day role, I provide various technical training within ESL and also independently to external customers through Ashmead Training.

Experienced with the following vendors and equipment types:

- Ericsson Optical & Microwave Portfolio including FTTx
 - MHL3000 (WSS), OMS 1664, 3200, 2400,
 - Minilink TN, HC
 - EDA1200/1500 Ribbonet/Micronet solution
- Nortel Networks
 - TN1X, OM4100, OM4150,OM4200, OPTera DX, OPTeraLH,OME6100, OME6500, OMEA, Preside, MDM/MDP, Passport 20K, 7K series.
- Alcatel
 - 1641SX, 1660SM, 1662SM, 1670 SM, 1678
- Marconi
 - MSH 51C, SMA4

1997-2001

ntl formerly National Transcommunications LTD,

Snr Project Technician – Platform Deployment

(Network Implementation)

Team and Project leader responsible for installation and commissioning of SDH, DWDM and IP Optical National and Metropolitan networks for NTL's core network including the use of submarine cable between Ireland and the UK. Examples of the types of projects I supervised:

- NTL's IP Supercore, install and commissioning using Nortel DWDM
- Rollout of SDH ring topology networks for Vodafone and Orange mobile using ECI and NEC equipment
- Build of NTL's core transmission network in the UK and Ireland (via submarine cable) employing Nortel, ECI, NEC, Marconi and Alcatel SDH multiplexers, Cross-Connects and DWDM systems.

Other Roles:

Project Assistant – Network Engineering

Buyer-Satellite and Telecoms Division

1995 - 1997

Voluntary Church service in Austria

Personal Secretary/Teacher/Area leader

Responsible for accommodation and travel arrangements through out Austria and selected locations in Germany.

Religious/English Teacher to the public.

1994 - 1995

Quest Insurance Research

Computer Operator –data entry The Quest Insurance Research Market Analysis of UK General Insurance Companies 1993-94

1991-1994

Part Time and School Work Experience.

Barclays Bank

Clerical Assistant involved with account maintenance, cheque clearance and front-desk cashier operations.

Burger King Ltd

Service Expert, responsibilities included staff and customer relations.

Education/Qualifications and Courses attended:

C&G 2381 Level 3 Certificate in the requirements for Electrical Installations: BS 7671
Ericsson MHL3000, OMS1600, 2400, 3200 Product Overview
Ericsson Internal Project Management and Line Management training courses,
Wraycastle IP Engineering Overview
Wraycastle IP Backbone Traffic Engineering
Total Access RF Awareness, Rooftop Access
MedicAid Basic First Aid
Nortel Networks General Installation, also TN4XE, OPTera LH etc.
NEC Acceptance Testing 2500A,600V, SpectralWave
Lucid Technologies Fibre Maintenance and OTDR course
IEE SDH Fundamentals (2 day)
IEE SDH Overview
ATM Fundamentals. (3 Day)

Currently studying BA Honours German and European Studies via Correspondence learning
A Level German Grade B
A Level Economics Grade D

GCSE passes (grades in Brackets).
Integrated Sciences(AA), English Language(B), English Lit(B), German(B),
Mathematics(A), Statistics(B), Geography(A), French(B).

Interests & Pastimes:

Local Church Leader which involves weekly religious instruction on Sundays. Scuba Diving, Squash, Football, Golf.

Personal:

D.o.B 28.11.1975
Status: Married with four children.
Holder of UK/European Driving License
Email: CVenquiries@markgilmour.com