
Anthony Lum BE(Elec) Honors

antlum@gmail.com
07305 360985

EMPLOYMENT HISTORY

TELSTRA INTERNATIONAL Implementation Engineer, London

**Feb 2018
Present**

Responsibilities

- Full support, design and implementation of MPLS project life cycle
- Deliver managed network services across Cisco & Juniper Platforms
- Develop low level designs with customers and Technical Consultants
- Producing technical documentation for internal reference
- Back office migration and auditing
- Resolve 3rd level escalation tickets
- Proactive engagement with project teams
- Global network rollouts

Project examples

- Designed and deployed pilot site MPLS global core network.
- Global MPLS and VPN site deployment.

System Skills

- Cisco ISR4000 series, 7206VXR
- Juniper MX480, M120, M320
- Riverbed Steelhead
- MPLS Provisioning

BBC (ATOS AND NSC GLOBAL) Lead Security and Mobility Engineer, London

**Aug 2014
Dec 2017**

Responsibilities

- Low level design and deployment of network, security and wireless solutions.
- Full support, design and implementation of project life cycle.
- Customer facing project deployment.
- Produce detailed designs and build standards.
- Work autonomously to strict deadlines.

Project examples

- Aruba Clearpass wireless installation.
- International IPSEC VPN migrations.

System Skills

- Firewalls: Cisco ASAs, Checkpoint 13800, Fortinet 3700D
- Load Balancers: F5 BigIP 4200v, 6900, 10250
- Cisco switches and routers; ASR 1001, Nexus 9504
- Juniper; SRX340
- VRRP, HSRP, OSPF, QOS, VRF, BGP, MPLS, IPSEC VPN
- Monitoring Tools: Spectrum, Cacti

TELSTRA INTERNATIONAL Implementation Engineer, London

**July 2013
July 2014**

ISG TECHNOLOGY / PRS FOR MUSIC Senior Network Consultant, London

**Sept 2010
July 2013**

Responsibilities

- 3rd level network escalation contact
- Customer facing pre-sales engineer
- Maintain multi-site multi-customer networks
- Design, configure and implement wired and wireless network solutions
- Author and maintain procedural documents for the helpdesk
- Maintain 24/7 web network infrastructure
- Manage firewall rules
- IDS/IPS, Web Proxies

Project examples

- CORE router end-of-life upgrades.
- Office network refits
- Data center vendor selection and DR testing
- Network security implementation

System Skills

- Cisco 5510, 5520 ASA, PIX firewalls
- Gigastor packet troubleshooting
- Cisco 800, 1841, 7200 Routers and 4507, Blade, 3500, 3750 Cisco Stack Switches, 6500
- HP Procurve switches, Brocade ADX and Foundry load balancers
- VPNs, Juniper Appliances
- Meraki APs and Security Appliances
- Cisco Wireless LAN Controllers and APs
- Cisco SAN
- PRTG, WhatsUpGold

TELSTRA INTERNATIONAL
Customer Implementation Engineer, Cambridge

July 2010
Aug 2010

VIRTUAL1
Project Engineer, London

Mar 2010
April 2010

System Skills

- Cisco 800, 1841, 7200 Routers and Cisco Switches
- MPLS, ADSL, Broadband Connectivity
- Salesforce, RT ticket system, Zabbix network monitoring

AIR PRODUCTS
Network Technician, Surrey

Sept 2007
Sept 2009

Responsibilities

- Perform site cutovers and commissioning
- Close working relationships with vendors, suppliers and customers for provisioning and fault resolution transparency
- Represent technical team during planning meetings related to the VPN-based WAN migration
- Schedule migration change windows and ensure customer handover completion
- Configure, ship, track and deploy network equipment
- Technical troubleshooting of LAN and WAN equipment faults via ticket management queue
- Incident, Problem and Change reporting
- Evaluate network designs and installation procedures

Project

- Lead engineer supporting the EMEA and Asia network rollout, which resulted in company annual savings of US \$3 Million

System Skills

- Cisco 7200, 1841, 871 routers, 2950, 3550, 3560 Switches, Wireless Access Points
- Cisco VPN 3000 Series Concentrators
- Protocols: BGP, OSPF, PPPoE, NAT, ACLs, IOS, IPSEC, VPN, TCP/IP, Q931, VoIP
- Management Tools: TACACS+, DHCP servers, Cisco Works, QIP, Envision, Visio, Remedy, reflection, Cisco Wireless Control System, Proxy Servers
- Service types: Public ADSL (PPPoA, PPPoE, Static, DHCP), XDSL, ISDN, Ethernet, HSRP, LES, Leased Line

VANCO UK LTD

Senior Implementation Engineer, London

Mar 2005

Sept 2007

Responsibilities

- Deploy network hardware and resolve technical issues arising during implementation
- Work with Solution Architects to implement changes and ensure smooth delivery of site installations
- Liaise with customers to clarify technical details and troubleshoot issues
- Resolve network related incidents with third party vendors and internal departments
- Provide third line support to customers and NOC
- Review network implementations to ensure complete deliverable solutions
- Mentoring team members and other technical operations staff to promote knowledge sharing
- Out of hours and weekend circuit maintenance
- Awareness of customer SLAs and resolution timeframes
- Maintain accurate project documentation for troubleshooting and resource tracking

System Skills

- Cisco IOS Routers, IOS and Set based Switches
- Cisco VPN concentrators, GPRS
- Protocols: RIP, EIGRP, BGP, OSPF, PPP (PAP, CHAP), Frame Relay, ATM, NAT, ACLs, IOS, GRE tunnels, IPSEC, COS, TCP/IP, Q931
- Management Tools: Tacacs, DNS Server, Remedy, Voyence, Radius, Oracle
- Service types: Private ADSL, XDSL, Public ADSL, MPLS, BRI, PRI, VLANs, MPLS, IPVPN, Ethernet, ISDN, Frame Relay, ATM, DSL, HSRP, LES, Leased Line, SDSL
- Filtering, redistribution, summarization and other advanced features

ALCATEL AUSTRALIA LIMITED

Technical Specialist, Brisbane

Mar 2003

Dec 2004

Responsibilities

- Provide network quality and stability, enforceable with large financial penalties
- Administer high security networks, including banking and police networks
- Senior member of the implementation team

Major Projects

- Upgraded Commonwealth Bank national network (Australia's largest bank)
- Deployed 3550, 6500 Metropolitan Ethernet core network
- Victorian Police managed network site rollout
- Stratacom IGX, MGX infrastructure
- ISP trunk upgrade and deployment across Catalyst backbone
- Deployed circuit emulated core trunks on multi-vendor Ericsson/Cisco backbone
- Upgrade of the primary New Zealand – Australia NNI core trunk

AAPT Limited

Technical Specialist, Brisbane

Mar 2000

Mar 2003

Responsibilities

- Liaise with project managers, clients and third party vendors to establish data and voice services

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- Respond to operational issues escalated by the 24 hour NOC
 - Troubleshooting and technical support to the field teams
 - After hours core infrastructure upgrades
 - Commission and upgrade network backbone and major nodes
 - Documentation of system configuration and topology records
 - Compile and execute scripts to migrate customers onto optimized routes

System Skills

- Stratacom Switches : BPX, MGX, IGX, SES
- Juniper: M20, M40
- Jtec: J1200 TA, 1700, 1800
- Telstra: DAR Megalinks, DSL
- Ericsson: Local Multipoint Distribution Service (LMDS), Access
- Terminals, RAAS, CAAS
- Netrix: X.25
- Miscellaneous Equipment: Optus Broadlinks, XYZ DSL, Fiber, Quadcoders, Nokia x21 Converters, SDH, Copper, DSLAM
- Management Tools: SNMPc, HP OpenView, Cisco WAN manager, Omnivision, Cisco Works, Ericsson MLBAS, DNS

QUALIFICATIONS

CCNP Cisco Certified Network Professional (Renewing)
CCNA Cisco Certified Network Associate (Current)
CCNA Security (Expired)
SMB Solutions for Engineers – Presale & Postsale Cisco solutions
CMNA - Certified Meraki Network Associate
PMP Project Management Professional (Expired)

EDUCATION

Tertiary

Bachelor of Electrical Engineering

2000

Honors

University of Queensland, Australia

Secondary

Overall Position 2 (Academically ranked in top 2%)

1995

COURSES

- Cvoice Cisco Voice over IP
- CIPT Cisco IP Telephony
- Operation and Troubleshooting of Juniper Network Routers
- Cisco MPLS introduction course
- Trade Practices Act Training
- Checkpoint Firewall R76
- F5 Enablement Workshop

OTHER SKILLS

Driving License

INTERESTS

Running, cycling, traveling, currency trading, Arduino programming

References available on request