

Richard Smith

Personal Information

Full name: Richard Blair Smith
Marital Status: Single
Nationality: Welsh (British)
Date of Birth: September 23rd 1981
Spoken Language: English (fluent), Welsh (fluent) , Spanish (basic understanding)
Driving License: Full, no points.

Corporate Affiliations

Dates: January 2006 – present
Establishment: Indigo Cube Ltd
Position: Director and Owner.

Professional Experience

Dates: September 2006 – Present
Establishment OmniAccess S.L. – Plaza Mediterránea 4, Edificio Sol 1° 12ª
Palma de Mallorca, SPAIN
Primary Role: Systems Architect and Administrator
Details:

- Administration and maintenance of extensive global communications service network including IP, SIP, VPN and additional value added services.
- Management, implementation of global VSAT Satellite Networks utilising Ku-band and C-band transmission paths.
- Development and ongoing maintenance of Provisioning Platforms and systems (Radius, LDAP databases, Mail, Self-Service Portals, Help Desk etc)
- Developer and architect of BlackBox Network Management Project which centralises network monitoring and management of OmniAccess network solutions on an embedded Linux platform. Developed using C++, Python and QT.
- Customer solutions architect involving telephony and routing over multiple connectivity solutions (VSAT, 3G, SATCOM-B, WiMAX and OFDMA Wifi solutions)
- Co-ordinator for support and technical teams

Dates: December 2005 – July 2005
Establishment Indigo Cube Ltd, Contracting to Voip-4U Ltd (VoIP.co.uk)
Bicester, Oxfordshire
Primary Role: VoIP Platform Engineer
Details:

- SynergySoft Platform (In house 3GPP based IMS [rev 6]) Management , including Database, HSS, CSCF (P-CSCF, S-CSCF and I-CSCF) nodes, application servers and other service nodes.
- Web Applications Developer
- Systems Integration including development of XML provisioning interface
- Billing System development and deployment.
- Documentation of core SynergySoft platform architecture.
- Development of integrators API
- Monitoring and maintenance of SynergySoft platform and network performance

Dates: August 2005 – December 2005
Establishment: Pod1 Media Solutions Ltd
London
Primary Role: Systems Architect and Senior Developer
Details:

- Designed, implemented and maintained the environment used for development staging and production using Linux, Subversion, PHP, Apache VHosts, MySQL and Bind tricks for internal and external development views
- Wrote all IT related policies encompassing Encryption, Email (Usage and Forwarded email), Acceptable Use, Information Security, Information Classification, Backup, Server Security, Desktop Security and other miscellaneous policies.
- Implemented tighter integration with external suppliers (OpenSRS/InstantSSL) and the internal project management systems.
- Re-implemented the internal network to account for sub-letters within the office and segmenting them into their own network and applying QoS using Linux Netfilter and 'tc'.
- Designed, implemented and deployed using PHP and MySQL a 100% secure password vault system implemented using RSA and TWOFISH.
- Responsible for general network management and user support

Dates: August 2004 – August 2005
Establishment: Talk24 Ltd,
London
Primary Role: Senior Systems Architect and Network Management
Details: Responsible for:

- VoIP End User Platform deployment
- LCR and BCR System roll out including CDR Rating and Mediation systems
- C7 Switching platform Implementation on Huawei and Cisco PGW220 platforms
- Construction and deployment of flexible rating, mediation and billing platform.
- Planning, building and deployment of web based customer services portals built using PHP, MySQL, PostgreSQL, and Apache for circuit, asset, trouble ticketing and supplier provisioning and user provisioning systems.
- Management of Cisco AS Gateways, Cisco PGW2200, Nortel and Marconi Multiplexers, Mera VoIP Transit Switches, DNS, RADIUS, Mail, HTTP, Oracle platforms
- Extending public IP Network using Cisco Switching Fabric, Cisco 7200 Series Routers, implementing OSPF, BGP4 over Fast Ethernet and GigE channels (Copper and Fibre).
- Migration planning from OSPF to ISIS for an established native IPv6 routing solution
- Management of Public IP Network using NetFlow, SNMP and RMON
- Liaising with the software development team in the Ukraine and management of software project deliverables

Dates: July 2003 – August 2004
Establishment: Momentus Ltd T/A LondonLink
London
Primary Role: Systems Developer and Network Administrator
Details:

- Project Manager for internal systems deployment including Telecoms platform, customer service gateways, billing systems using PHP, ASP, ASP.Net, MS SQL Server, Exchange, and IIS.
- Administrator for all networks or managed by LondonLink, including the public network which uses eBGP4 and iBGP4 for internal routing
- Management of RADIUS, DNS, Pop3, IMAP, HTTP and HTTPS, MySQL hosting environment
- Management and of Microsoft Windows Network based on Active directory and VPN Network.

Dates: February 2003 – July 2003
Establishment: Komtel Ltd
Cardigan, West Wales
Primary Role: Network and Telecommunications Administrator
Details:

- Primary point of contact for all telecommunications and corporate network faults and administration
- Management of Avaya INDeX switching platform and Cisco
- Project Management of GSM Stargate Deployment.
- Project Management of software development outsourced to external developers

Dates: September 2000 – December 2002
Establishment: CN Group New Media Ltd
Penrith Cumbria
Primary Role: Lead Software Developer and Network Administrator
Details:

- Administrator of Internal networks, telecommunications equipment and Windows Active Directory.
- Administrator of all External equipment including front end and back end servers
- Lead Developer of the CNG Content Management System and Editorial System Integration project

Education

Dates: September 1993 – July 1998
Establishment: Ysgol Gyfun Rhydfelen
Qualifications: 11 GCSE's in English, Welsh, Mathematics, Sciences, Electronics and Art.

Additional Professional Information

Knowledge Of: **Networking:** IPV4, Cisco (AS Platforms, PGW2200, IOS Routing and Switching, PIX, ASA, SSG), IPTables, IPFW, JunOS.
Operating Systems: Linux (Debian, Gentoo, Redhat), FreeBSD, Solaris, Windows (Server and Desktop), IOS, PIXOS
Server Technologies: Apache, LigHTTPD, Microsoft IIS, Exchange, BIND, DJBDNS, ProFTPD, PureFTPD, Sendmail, Postfix, Exim (extensive knowledge), MindCTI
Database Systems: Oracle 8, MySQL, MS SQL Server, BTRieve SQL (Now Pervasive SQL), PostGreSQL
Programming Experience: x86 Assembly, C, C + +, Java, PHP (extensive knowledge), .Net, Python (extensive knowledge), QT, Django
Protocol Knowledge: TCP/IP, Telnet, SSH, SMTP, HTTP, HTTPS, XML-RPC, BGP, OSPF, EIGRP, ISIS, VRRP, HSRP, RMON, SNMP, IRC, Netflow, IMAP, POP3, FTP, Active Directory, LDAP, SMB, RADIUS, SIP, SDP, H.323, XMPP
Transmission Control: Serial, Ethernet, TDM, SDH/SONET, ISDN, UMTS, GSM, WIMAX, OFDMA, VSAT, DTDMA.
Hardware Platforms: Cisco (AS Platforms, PGW2200, IOS, ASA, PIX), Juniper, Foundry, Intel, 3Com, Sun SPARC, HP Switching, Huawei SoftX and iOSS, Nortel Multiplexers, iDirect, Orbit and SeaTel stabilised Satellite Pedestals.

References

Available on request.