Joe Butler

LinkedIn: http://www.linkedin.com/in/braindisconnect

Senior - Network Engineer • Security Engineer • IP Telephony Engineer • Systems Administrator

PROFILE	A results-driven internetworking professional with extensive experience in the engineering, administration, security, and support of information systems. Technical experience in the implementation, analysis, optimization, troubleshooting and documentation of internetworking systems. Track record for diagnosing complex problems and consistently delivering effective solutions. Reputation for dedicated teamwork, high-energy work ethic and commitment to customer service. Superior interpersonal and public communication skills to enhance the prompt and accurate delivery of quality customer service; easily convey technical jargon to non-technical users. Able to present innovative ideas for improving processes and standards. Ability to think "outside the box".		
KEY SKILLS	• Advanced Troubleshooting • Network Performance Evaluation • Policy and Traffic Shaping • Security and Forensics • Network Architecture, Design, Implementation, and Operation		• Protocol/Application Analysis • Router, Switch, and Firewall Configuration • Systems Design and Administration • VMware Design and Administration • Procedures and Training
SECURITY CLEARANCES	DOD Top Secret (Current & Active)		NATO Secret (Inactive 2010)

TECHNICAL EXPERTISE

Protocols & Traffic moving technologies:
- OSPF, BGP, RIP, EIGRP, ISIS
- IPv4 and IPv6
- Multicast
- Spanning Tree, 802.1q/ISL Trunking, VTP Domains, and VLANs, Stacked VLANS, LACP/LAG
- QoS for voice, video, and data
- Frame-Relay, ATM, SDLC/HDLC, PPP, ISDN, X.25
- DS0, T1, DS3, OC-3, OC-12, and OC-48
- Wireless RF, Point to Point, Point to Multi-Point, DSSS & FHSS
- HSRP, GLBP, and VRRP
- SIP, H.323, RTP, RTCP

Packet Analysis:
- NetScout Infinistream
- Network General DS Pro
- Wireshark/Ethereal
- JDSU Network Analyzer
- JDSU PacketPortal
- JDSU Triple Play Analyzer

Network Management, Troubleshooting, and Access Control Packages:
- CiscoWorks LMS 2.x, 3.x
- CiscoSecure ACS 3.x, 4.x. 5.x
- NetScout PM 4.x

Security Auditing:
- Nessus 4.x

Routers:
- Cisco 1800
- Cisco 2500
- Cisco 2600/2600XM/3600
- Cisco 2800/3700/3800/3900
- Cisco 4700
- Cisco 7200/7500/7600
- Cisco ASR 1000
- Cisco 12000
- Juniper M7i
- Juniper J6530
- Juniper E320 BSR
- Alcatel 7750 SR
- Alcatel 7705 SAR

Switches:
- Cisco 1900/2900/3550XL
- Cisco 3550 SMI/EMI/PWR
- Cisco 3650/3750
- Cisco 4000/4500
- Cisco 4900
- Cisco 5000/5500
- Cisco 6500 MSFC/SUP720
- Cisco Nexus 5000
- Alcatel OS 6850
- HP ProCurve 5300, 5400
- Juniper EX3200, EX4500, EX6200

Acceleration:
- Riverbed Steelehead 1050, 2050, 5050

Firewalls:
- Cisco PIX 5.x, 6.x
- ASA 7.x, 8.x
- Juniper Netscreen and ISG

Wireless:
- Aruba 5000 WC

VPN:
- Juniper SSL VPN SA 4500

Voice/Video:
- Cisco 7900 IP Phones
- Cisco VG200/VG224/VG248
- Cisco V/FXO/FXS Mods
- Cisco Call Manager 5.0, 6.0
- Cisco Unity 4.x
- MS Mediaroom 1.x, 2.x (MSTV)

Load Balancing:
- Cisco Content Switches
- Alcatel AS 2424

Virtualization:
- VMware vSphere 4.x, 5.x
- VMware vCenter 4, 5

Operating Systems:
- Red Hat Ent 5.x, 6.x
- SUSE Ent 10.x, 11.x
- Debian 6.x
- Sun Solaris 8,9,10,11
- Windows XP, 7
- Windows 2k3/2k8 Server

Applications:
- named, DHCPD, Samba
- Windows DNS, DHCP, WINS
- Windows Active Directory

Developing:
- Cisco Embedded Event Manager
- BASH, TCL, and Expect Scripting
- PHP and MySQL
- C++

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RELATED EXPERIENCE

"He left no stone unturned and went beyond what was expected of him to track down an issue with a big government contract…"

"Hat's off to you gentlemen. Special thanks to Joe Butler." - In relation to issue isolation done for Mr. Vinton Cerf.

"He is one of the ISCs foremost experts on Switch and Router configurations and has effectively resolved difficult, critical problems with extreme efficiency."

JDSU – Colorado Springs, CO – 2010 to Present
Lead Network Engineer - Research and Development Lab for PacketPortal
Responsible for the architecture, design, implementation, modification, and support of research and development, test, marketing, partner, and customer networks. Responsible for analyzing complex networks and replicating in a lab environment. Responsible for design, configuration, and administration of a large VMware vSphere environment consisting of Linux and Windows guest operating systems. Experience in service provider, broadband, and enterprise network solutions. Experience in analyzing network hardware, device configurations, and network designs. Experience in providing consultation, analysis, and documentation to developers and management. Experience in managing a network engineering team. Experience with working with vendors and manufacturers. Top Secret clearance held.

Missile Defense Agency – Boecore – Schriever Air Force Base, CO – 2007 to 2010
Senior Network Engineer – Department of Defense Contractor
Tier 4 Engineer responsible for administration, restoration, and post resolution assessments of the Missile Defense Agency classified and unclassified networks. Responsible for design, implementation, and documentation of projects. Responsible for configuration, administration, and troubleshooting of Cisco Routers and Switches, Solaris 8, 9, and 10 servers, Cisco ASA, Pix, Juniper Netscreens, and Juniper ISGs. Responsible for installation, configuration, administration, and integration of CiscoWorks LMS, CiscoSecure Access Control Server, and NetScout Performance Management systems. Subject Matter Expert for protocol analysis and NetScout. Performed protocol analysis, application troubleshooting, and performance evaluation on all seven layers. Authored and delivered technical briefs, internal white papers, and technical training. Top Secret with COMSEC and NATO Secret clearances held.

MCI/Verizon Business – Colorado Springs, CO – 2000 to 2007
Senior Network Engineer - Team Lead
Responsible for administration and restoration of one of the largest global multi-protocol networks with over 9,800 routers and switches throughout the world to include over 22,000 critical LAN/WAN circuits, hardware, configurations, and security. Experienced with driving high severity customer impact issues and resolving them in a timely fashion. Experienced in tracking, and restoring network connectivity due to network security violations to include affects from viruses, worms, denial of service, and hacking. Directed field engineers in installations, configurations, and troubleshooting. Experienced in troubleshooting server and application connectivity on the transport and application levels to restore critical application connectivity. Implemented upgrades to include hardware, configurations, and IOS. Performed protocol analysis and application analysis on all seven layers. Analyzed, developed, and implemented enterprise network solutions. Trained and mentored peer engineers. Developing procedures, processes, internal white papers, and training courses. Designed and developed web based applications for troubleshooting devices. Designed, constructed, and maintained a training lab consisting of 30 routers, 9 switches, a server, a firewall, a protocol analyzer, and an ISDN simulator.

Verocon Technology - 1998 to 2000
Network Engineer / Systems Administrator (Self Employed)
Responsible for various projects involving multiple site interconnectivity. These projects involved working with customers and technicians in order to design, implement, and administer network reworks and new installs according to RFP and budget. Tested software and hardware to ensure Y2K compatibility and corrected discrepancies. Analyzed network traffic. Analyzed and configured equipment including Cisco routers, switches, CSU/DSU, hubs, and cabling. Installed firewalls on UNIX, Linux and Win 32 operating systems. Interfaced computer network with telecom voice networks. Researched equipment specifications to match proper equipment requirements for present and future capacity.

MILITARY

United States Marine Corps – 1989 to 1993
Communications and Electronics Specialist
Responsibilities: Configured, troubleshot, and repaired HF/VHF/UHF Communications, Satellite Communications, Multiplexing, Repeaters, and Encryption/Decryption. Secret Clearance held.

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CERTIFICATIONS	**Routing and Switching**	**Wireless**
	• CCNA Routing & Switching	• CWNA
	• ACSP	
	• MTA Networking	**Systems**
		• MTA Windows Operating System
	Security	
	• ISC2 CISSP	**Developing**
	• Security+	• CIW Web Foundations Associate
	Virtualization	**General**
	• VCP 4	• A+

EDUCATION	**Western Governors University** BS Network Administration – In Progress (Estimated Completion 2015) **Regis University** Computer Networking with specialization in Security – 1999 **NetMasterClass** Routing and Switching Workshop for CCIE Candidates – 2005 Routing and Switching Workshop for Advanced CCIE Candidates – 2005 **Alcatel** Omni Switch Boot Camp – 2006 **Sunset Learning Institute** SNPA - Securing Networks with PIX and ASA – 2008 **Global Knowledge** Voice over IP Foundations – 2008 CVOICE V6 – Cisco Voice over IP – 2008 GWGK/TUC Boot Camp – Cisco Gateway/Gatekeeper and IP telephony troubleshooting – 2008 **VMware** VMware vSphere: Install, Configure, Manage V4 – 2010 VMware What's New V5 - 2012 **Cisco Live** – 2008-09 Attended the Cisco Live seminar in Orlando and San Francisco where voice, video, wireless, and routing classes were taken. **JDSU** Network Analyzer and DNA Pro – 2011