

# Wade Millican

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## OBJECTIVES

To continue developing industry best practice scalable solutions meeting business requirements and impacting positively on company performance. To enable business through the presentation and promotion of metrics.

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## QUALIFICATIONS/CERTIFICATIONS



- Cisco 642-661 BGP
- Cisco Foundation Express Design Specialist
- Cisco Foundation Systems Engineer
- Cisco Pix Firewall Specialist (Securing Pix/ASA/Network Devices)
- F5 Technical Sales Professional
- Juniper JNCIS-FWV (Firewall/VPN), JNCIS-SEC (SRX), JNCIS-ENT (EX)
- Microsoft 216 MCP (Network Infrastructure)
- NetApp Certified Data Management Administrator (ONTAP 8)

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## KEY WORDS

Secure Design Principles, VPN, Metrics, Internet, Open Source, ISO17799/27001, PCI-DSS, ITIL, Risk, Threat, SRX, JUNOS, Netscreen, Routing, Switching, NXOS, IOS, BGP, F5, iSCSI, SAN, NAS, ONTAP, Bluecoat, AAA, IPS, SCTP, 3G, Arbor, A10, ASA, Pix, 802.1q, 802.11, Darknet, NSM, AV, Proxy, ASA, GSR, VRF, Linux, Solaris, Windows, ESXi, Xen, BSD, DNS, NTP

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## EMPLOYMENT BACKGROUND

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### ECHO ENTERTAINMENT GROUP (AUG 2011 – MAY 2012)(CONTRACT)

#### *JOB TITLE: FLEXPOD TECHNICAL TEAM LEAD*

Responsible for managing a team of engineers and Flexpod technology stack (Cisco UCS, Nexus, NetApp, and VMware ESXi) across multiple data centers. Guided the team and environment from no VMs to 300+ production VMs backed by a petabyte of highly available storage. Flexpod projects include QoS, Secure Multi Tenancy (DMZ), Monitoring, and Knowledge Transfer. Day to day role includes resolution owner for Infrastructure and Guest VM of any OS. Protector of Uptime, capacity planning, and proactive management including patch management.



### NINEFOLD (MACQUARIE TELECOM) (FEB 2011 – AUG 2011)(CONTRACT)

#### *JOB TITLE: SENIOR NETWORK AND SECURITY ENGINEER*

Developing a secure public cloud that feels like it's right next to you. Designed and configuring redundant Juniper 10Gig Firewalls, IDP, Switches, and Load Balancers in a multi-homed BGP enabled environment. Brought online over 1 petabyte of multi-tenant, multi-tier storage. Developed and implemented SSO authentication, monitoring, and logging systems to enable visibility and accountability. Developed Partner/DMZ secure network for seamless Cloud Bursting. Responsible for day-to-day Network/Security, Root Cause Analysis, custom scripting, \*nix resident, and network forensics.



### TRANSPERA (APR 2010 – NOV 2010)(CONTRACT)

#### *JOB TITLE: SENIOR NETWORK AND SECURITY ENGINEER*

Projects included designing, developing and configuring highly available secure network using Juniper SRX and EX hardware. Completed Production to Redundant Cloud migration using RightScale/AWS platforms. Deployed SSO(Crowd+LDAP) and Chef across all production and user interfaces/systems. Completed Xen/Eucalyptus deployment. Responsible for day-to-day production and office networks, as well as Legacy Linux System support and maintenance.



### UCSF – ENTERPRISE INFORMATION SECURITY (JUL 2009 – Mar 2010)(CONTRACT)

#### *JOB TITLE: SENIOR SECURITY ENGINEER*

Primarily project work. Project scope includes Designing, Developing, Documenting, and Deploying UCSF campus wide projects with heavy focus on HIPAA compliance. Project led Juniper VPN deployment, Aruba wireless backhaul, Kerberos Authentication servers, distributed monitoring systems (OpenNMS), and IDS server builds/lockdown. Day to day work includes Netscreen firewall policy guidance, changes and working with team members developing solutions and troubleshooting dynamic problems.



### AT&T MOBILITY – NETWORK PLANNING AND ENGINEERING (MAR 2009 – MAY 2009)(CONTRACT)

#### *JOB TITLE: IP NETWORK ENGINEER*

Deploying 3G Core Data Network Services in US West and Central Regions, for an 80 million-subscriber base. Adding value by migrating internal documentation to team developed wiki, mapping processes, reducing complexity, and navigating minefields.



### VERIZON BUSINESS – REMOTE IP APPLICATION MANAGEMENT (APR 2008 – SEPT 2008)(CONTRACT)

#### *JOB TITLE: NETWORK ENGINEER*

A dynamic role discovering and mapping CBA's network infrastructure



(routers/switches), firewalls, vpns, servers, and services. Developed custom audit and reporting tools, for all devices using Python and Bash. Done through great hands on understanding of network/security devices and principles, with a good grasp of programming and business logic.



ERICSSON[HUTCHISON 3G](FEB 2006 – SEPT 2007)(FULL TIME)

*JOB TITLE: SENIOR SECURITY ENGINEER [Sept 2006 – Sept 2007]*

Consulting on projects/high level designs across enterprise, working to H3GA's ISP(Information Security Policy)/ISO17799/Industry best practice for vulnerability assessment, threat/risk assessment, internal/external penetration testing and abuse/incident response(forensics/legal/law enforcement).

*JOB TITLE: SECURITY ENGINEER [Feb 2006 – Sep 2006]*

Designed and configured secure firewalls[NS5400, NS5200, NS500, Solaris Checkpoint, PIX (FWSM)]. Technical lead on core business firewall upgrade/migration.

### PROJECTS/EXPERIENCES

Assisted/strong input on variety of projects; Sigtran/SS7 over IP migration, Cisco VPN 3030/ASA5520, Cisco CE, Tivoli Access Manager, Cisco IDSM, Juniper IDP, Bluecoat Proxy/Reverse Proxy, F5 BigIP/3DNS, Extranet deployments, Fraud systems, ISP Redundancy, Oracle migration. Cisco experience/configuration: Routing/Switching/VPN/VRF/AAA on Catalyst 29xx/37xx/65xx, Router 38xx/72xx/76xx/GSR, Pix/FWSM

XPEDITE SYSTEMS(MAR 2001 - FEB 2006)(FULL TIME)



*JOB TITLE: SENIOR NETWORK ENGINEER – ASIA PACIFIC [2003-2006]*

Responsible for high availability network designs, installation/migrations, for internal/enterprise/client networks on Firewalls[NS500,204, 50, 25, 5, dialup-vpn], Routers[17xx, 26xx, 28xx, 32xx, 38xx, 72xx | RIPv2/OSPF/EIGRP/eBGP] and Switches[Summit5i/48si, Catalyst 29xx, Catalyst 35xx].

Network Management for Security, Performance, Fault and Accounting on Firewalls/Routers/Switches(ISO Functional Model). Member of 3<sup>rd</sup> Level Net-Admin On-call/Support 24\*7.

*JOB TITLE: OPERATIONS ENGINEER – SOUTH-ASIA PACIFIC [2001-2003]*

Primary security point in AP region designing, installing, configuring secure DMZ infrastructure[Router/BGP/ACL/{N|H}IDS] and services[Mail/VPN/Proxy/AV/DNS/WWW/XML] on various platforms[Linux/Solaris/Windows]. DHCP/DNS and NTP design and implementation across South Asia.

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### INTERESTS

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- Bread Making
- Cycling
- Internet Technologies
- Meditation / Zen
- Networking Advancements
- Photography
- Reading
- Security
- Squash
- Swimming

## Extended Technical Details

1 = Theory Only; 2 = Limited Use; 3 = Competent; 4 = Highly Proficient

|  | Rating 1-4 | Years Exp |
|--|------------|-----------|
| <b>Network Related Skills/Protocols/Systems</b>                        |            |           |
| TCP/IP   | 4          | 13        |
| OSI  | 4          | 13        |
| JUNOS / EX / SRX   | 4          | 6         |
| Cisco NXOS / IOS / CatOS   | 4          | 9         |
| Netscreen OS   | 4          | 9         |
| Summit Extreme OS  | 3.5        | 6         |
| Checkpoint   | 3          | 6         |
| Routing / Switching Protocols  | 4          | 9         |
| Cisco Firewall (Pix / ASA / FWSM)                                      | 3          | 6         |
| Accelerators (Peribit / Cisco WAFS / Tacit)                            | 3          | 4         |
| Intelligent Network Management (Sniffer / Arbor Peak Flow / Packeteer) | 3          | 4         |
| Load Balancers (F5 / CSM / A10)  | 3.5        | 6         |
| Storage/iSCSI (NetApp/Equallogic/EMC/Compellent)                       | 4          | 5         |
| <b>Languages</b>   |            |           |
| Shell Scripting  | 4          | 7         |
| PHP / XML  | 3.5        | 9         |
| SQL  | 3          | 8         |
| Python   | 3          | 5         |
| Expect   | 3          | 4         |
| <b>Operating Systems</b>   |            |           |
| Windows 2000/2003/2008 Server  | 3.5        | 11        |
| Windows 95,98, 2000, ME, XP, 7   | 4          | 13        |
| Unix (SCO / Solaris / FreeBSD)   | 3.5        | 11        |
| Linux (RedHat / CentOS / Ubuntu)                                       | 3.5        | 9         |
| OS X   | 4          | 6         |
| Hypervisors (ESXi / Xen / AWS / Eucalyptus)                            | 4          | 5         |
| <b>Services</b>  |            |           |
| DNS (Bind / Nominum)   | 3.5        | 8         |
| HTTP/S (Apache / Nginx / Tomcat / JBoss)                               | 4          | 8         |
| MTA (Postfix / Q mail)   | 3          | 8         |
| T/P/FTP  | 4          | 8         |
| LDAP(openldap / Novell)  | 3          | 6         |
| RADIUS (radiator) / Cisco ACS  | 3          | 5         |
| WCDMA (3G)   | 2.5        | 2         |
| Proxy (Squid / Bluecoat)   | 3.5        | 6         |
| IDS/IDP  | 4          | 6         |
| Wikis (Confluence / twiki / Mediawiki)                                 | 4          | 7         |
| Revision control (SVN / Git)   | 3.5        | 4         |