

Richard Onanian

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You have problems. I solve problems.

Technical Skills short list:

- Linux, all versions of Windows/Windows Server, Cisco IOS, Android, Apple iOS, Mac OS X
- Sonicwall firewall/UTM/SSL-VPN, Barracuda spam filter, Symantec BackupExec
- TCP/IP networking, NAT, and firewalling in Linux, Windows, Sonicwall
- Microsoft Exchange 2010/2007/2003, Lync Server 2010
- VMWare ESXi, VirtualCenter, vSphere
- HP and Dell SAN storage, Buffalo NAS
- Active Directory, file and printer sharing and permissions
- Demonstrated ability to learn new systems on-demand, work well with teams, create solutions

Experience & Education:

Anna Maria College – Started 11/1/2007 – sole Network/Systems Administrator -- 5,500 users

- **Active Directory** Domain Services at Windows Server 2008 functional level with group policy
- Microsoft **Exchange 2007** with CCR and SCR
- Microsoft **Exchange 2010** with Database Availability Groups (**DAGs**) including Hub, CAS, mailbox, and Unified Messaging roles
- Barracuda Spam & Virus Firewall 400 used for two domains
- **Microsoft Lync Server 2010** telephony with Polycom CX600 VoIP phones
- **VMWare ESX 3.5** and **VMWare ESXi 5**, vSphere, VirtualCenter
- **Sonicwall NSA4500** firewall/UTM with redundant WAN links, multiple separated LANs, etc
- **Windows Server 2008R2** and Windows Server 2008 installation & administration
- **Cisco IOS, switches, VLANs**
- **Cisco WLC-4404** and **LWAPP** centrally-managed **enterprise WiFi**
- Specified, ordered, mounted, installed, configured **HP Proliant servers** with VMWare ESXi 5.0
- Server hardware including Dell and HP servers
- HP iLO and Dell DRAC remote server management
- HP/Lefthand P4000 SAN, Dell MD3000i SAN
- Symantec BackupExec, Wireshark packet capture, NAC, Microsoft SQL server, Microsoft IIS
- Windows Terminal Services/Remote Desktop Services
- Basic fiber optic connectivity with Cisco GBIC SFP modules
- Sophos Enterprise Console centralized antivirus
- Manual virus/malware removal
- RedHat Enterprise **Linux** server and firewall administration
- Maintenance of Sendmail, Postfix, and Amavis+SpamAssassin mail scanning
- Assisted supervision/specification/implementation of major contractor project to create new domains, replace firewalls with SonicWall NSA4500, replace core switch and upgrade fiber to gigabit, VLANs to separate networks, replace Linux email system with large Microsoft Exchange 2007 system, replace email gateway protection with Barracuda unit, install Sonicwall SSL VPN gateway, and other improvements.
- Samba as a NT4-style domain controller, CUPS print server

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Anna Maria College (continued)

- Symantec Mail Security for SMTP mail gateway antivirus/antispam
- Supervised installation of and managed new document imaging systems using Ricoh MFP hardware and eCopy software.
- Version upgrades for database system running on Oracle and Adobe ColdFusion.
- Kemp load balancer virtual appliance
- ESRI ArcGIS, Faronics Core Console and Powersave
- Buffalo Terastation NAS
- SSL certificates in IIS and Linux/Apache
- Some experience in connecting Office365 with Active Directory/Exchange
- Dabbled in Powershell, IPSEC, QOS, DNS, QoS, Cisco ASA, LDAP
- Blackboard Angel learning management system
- Documentation, Purchasing, other organizational/departmental skills
- Experience in higher education environment, communicate effectively with faculty
- Delegation and training of junior coworker
- Troubleshooting and analyzation, problem solving and analysis
- Physically able to lift heavy items, bend, carry
- Handle 5,500 users from small IT department consisting only of myself, Director, PC tech, DB admin

FM Global – 8/27/2007 through 10/31/2007 – EIS/Enterprise Messaging Co-Op – 5,500 users

- Microsoft Exchange server 2003 administration and Ciphertrust IronMail spam filter appliance
- SMA FrontRange HEAT trouble ticket/SLA system usage
- RDP, Windows Server 2000/2003, MS Outlook, clustering, Active Directory, printers, some VBScripting with WMI and ADSI, DFS

Independent/freelance consulting – 1995 through present

- Repair and upgrade all brands of PCs (desktop and laptop).
- Build and maintain networks – wired ethernet and WiFi (802.11g, WEP, WPA)
- Create custom solutions for widely varying problems.
- Interface legacy software and hardware with modern systems.
- Build and administer FTP & Apache web servers
- Build and administer firewalls running iptables, ipf, ipfw, ipchains, and ipfwadm on various versions of embedded and full-size Linux and OpenBSD installations configured as NAT gateways, routers, and transparent filters via various methods including “proxy ARP” and bridging technologies
- Advanced MS-DOS and Windows batch files / scripting
- Network physical structure. Equipped with own tone generator & probe, crimper, etc.

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Coro Construction – 5/2001 through 2/2007 -- Assistant Manager

- Windows XP and Ubuntu Linux, wired/wireless networking, printers/faxes
- Acquire/manage government contracts
- All phases of business operation, including working with vendors and contractors

ArtMold Products – 10/1998 through 5/2001 -- Information Services Support Specialist

- PC, phone, office equipment maintenance / MS Windows, MS Office, Netscape support
- Varied network physical structure duties – cable pulls, '110' punchdown blocks, etc.
- Custom router/firewall running Linux for transparent filtering
- Proposed, built, and administered OpenBSD ultra-secure transparent network filter
- Immediately responded to new threats, such as "ILOVEYOU", by proposing and creating firewall and email server filters on obsolete hardware, then created automatic throttling
- Proposed, built, and administered Sendmail SMTP server on Linux, with ~75 users

PC Warehouse - 10/1996 through 10/1998 -- Technician

- Build new PCs to customer spec, upgrade older hardware and software
- Troubleshoot software and hardware problems on clone and brand-name PCs
- Phone, personal, and on-site support, installation, service
- Sales - PCs, parts, accessories

Linux Router Project volunteer - 1998 through 2002 --

- Tech support
- Helped design secure firewall systems
- Created and hosted most important reference website for the project
- Documented complex procedures in plain english for end users to work independently
- Participated in the development of secure firewall systems running ipfwadm, ipchains, and iptables, using advanced bourne/bash scripting techniques, in router, NAT, and transparent filtering bridge/proxy ARP configurations.

Community College of RI – 4.0 GPA

- UNIX
- Programming Concepts; C++ and Java; Visual Basic and QuickBasic; Javascript
- Network Security with Windows 2000 Server; Windows 2003 Server
- Operating Systems class including JCL and mainframe concepts
- Database design & management including some SQL and Microsoft Access work

CCNA (expired) – Score: 946/1000 (May 2001, Roger Williams University)