Amarpreet Minhas
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SUMMARY

I am a highly motivated and technical individual that is able to quickly grasp new ideas with enthusiasm about creating and extending network infrastructures to support a growing user and server environment. I am excited to apply administrative, security and networking skills to help advance myself, and the company for which I work

SKILLSET

Languages
- Proficient with: Bash, Python,
- Familiar with: JavaScript, Perl, PHP

Technologies
- Security Software: aircrack-ng, Cain & Abel, Metasploit, Nessus, Snort
- Directory Tools: Apple Open Directory, OpenLDAP, Windows Active Directory
- Web Technologies: Bootstrap, Django, Foundation 4, LAMP, Pyramid, Pylons
- Web Servers: Apache, ISS, Lighttpd, nginx
- Directory Tools: Mac OS Open Directory, OpenLDAP, Windows Active Directory
- Network Tools: Cacti, iptables, nmap, Wireshark
- Virtualization: Citrix XenApp, Citrix XenDesktop, KVM, oVirt (libVirt), VMWare vSphere

Platforms
- Windows: XP, Vista, 7, 8, Server 2003, Server 2008
- Unixen: FreeBSD, Mac OS X, OpenIndiana, pfSense
- Linux Distros: Arch, CentOS, Debian, Gentoo, RHEL, Slackware

EXPERIENCE

Boys & Girls Harbor – Systems Administrator   Sept. 2013 - May 2014
1 E 104 Street, New York NY, 10029   (646) 981 -2740
- Completed a conducted security audit of both network and client security, including switches, routers, and AD
- Upgraded the telephone infrastructure including creating Avaya virtual apps in vSphere and user services
- Implemented osTicket and moinmoin on a Debian server creating a ticketing system with an accompanying wiki
- Installed and configured OpsView Core on CentOS to monitor all clients and servers using Nagios plugins
- Employed an automated notification system by leveraging the pygvoice API and OpsView to text admins
- Maintained Active Directory along with ipMail for all employee credentials, contacts, and email
- Migrated and upgraded Symentec Endpoint Protection from a physical to virtual server on vCenter
- Managed and expanded internal network DNS and DHCP records including A, CNAME and MX records
- Supported an infrastructure of over 200 workstations, and 10 servers.

Pershing Square Capital Management - Systems Administrator   June 2013 - Sept. 2013
888 7th Ave, New York NY, 10019   (212) 652 -4041
- Utilized a SAN backend to support a migration of physical servers to vSphere VDIs
- Break fix, maintenance, and upkeep of multiple Debian servers, and Windows XP and Windows 7 desktops
- Built out initial virtual infrastructure for a Data Warehouse Project using VMWare vSphere
- Managed security infrastructure including writing rules for Snort IDS and firewall rules
- Maintained and distributed physical and virtual (Blackberry/iOS/Android) RSA IDs
- Oversaw and expanded the monitoring of network resources via Cacti and hosts and domains via Xymon
- Created golden images for a migration of applications to XenApp for application virtualization
- Deployed hardware setups in offices and homes, including Cisco routers, printers and PCs
- Supported an infrastructure of over 75 workstations, 10 Bloomberg terminals, and 5 servers

St. John's University - Technical Support   Jan 2010 - June 2013
8000 Utopia Parkway, Jamaica NY, 11439   (718) 990 -2794
- Managed accounts clients and domains with Windows AD and Apple Open Directory
- Maintained a Financial Information Lab (Bloomberg), 2 Mac OSX Labs, and 4 Windows XP/7 labs
- Upgraded physical network infrastructure within 8 buildings including installing APs, switches, and routers
- Conducted the imaging of Windows and Apple machines using PXE Boot and Clonezilla
- Supported over 20,000 users with laptops, desktops, network issues, printer configurations and AV equipment

PERSONAL PROJECTS

· Created and maintained a forum written in Django with Apache/MySQL for the BlackstormCSF Community
· Built a KVM server on a Dell Edge utilizing Proxmox-VE in RAID1 for CS Society
· Installed a KVM server using oVirt hosting CoreOS to manage Docker containers with an NFS store
· Maintain multiple e-mail servers running AMaVIS, dovecot, MySQL, postfix, RoundCube
· Manage various DNS records for personal internal network and internet facing servers/VPSs
· Utilizing CIFS/Samba and then NFS, created a media server on a Raspberry Pi
· Configured and maintain a pfSenne firewall including VLANS, subnets, and DHCP/DNS
· Employing ejabberd and nginx, created a secure chat server with the crypto.cat protocol
· Documented the installation of Gentoo on the Google Pixel using LVM, dm-crypt for FDE and systemd init
· Host a static blog using Pelican/Python hosted using nginx at ampx.minhas.io

EDUCATION

St. John's University	Sept 2009 - May 2014
Jamaica, New York	
· Master of Arts in International Relations	May 2014
· Bachelor of Science in Cyber Security Systems	May 2013
· Bachelor of Arts in Government and Politics	May 2013

ORGANIZATIONS AND MEMBERSHIPS

· Vice President of the St. John's Computer Science Society	2011-2013
· Member of the Northeast Chapter of the High Technology Crime Investigation Association	2011-Present
Presented at a monthly meeting on the topic of online privacy and security	April 2013
· Dean's List	2010-2014
· NYS Certificate of Diplomacy and International Law	May 2014