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

· Network Tools: Cacti, iptables, nmap, Wireshark

· Storage: CIFS/SMB, NFS, RAID, SAN

· 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