

Tyler Parsons
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SUMMARY

IT engineer with a deep understanding of configuration, maintenance, and deployment of common Linux operating systems. Demonstrated ability to lead, motivate and develop high performance teams. Proven history of improving business and technical processes using commercial or Open Source software.

COMPUTER SKILLS

Languages

- Experienced in: Unix/Linux shell scripting (sh,bash,ksh,Perl,expect,awk,sed)
- Proficient with: Microsoft Visual Basic, Java

Software

- Hypervisors: VMware ESX 2.5/3.x, XEN Source (XenServer | XEN), KVM
- Database: Oracle, MySQL
- Storage: EMC CLARiiON & Symmetrix DMX
- Linux Server Platforms: Redhat Enterprise Linux AS (RHEL) v4-5, Debian, Gentoo Linux
- Windows Server Platforms: 2000/2003
- Services: Apache 2.x, Bind 9.x, MTA (Postfix), Squid, Cyber-Ark, SecurityCenter (Tenable)

EXPERIENCE

IT Systems Engineering (IT)

2008-Present

EnovaFinancial

- Primary responsibilities:
 - 3rd level support to operational staff
 - Lead architect for secure password management
 - Lead architect for internal caching and access control proxies
 - Engineered / Packaged / Documented the following products
 - Snort (IDS/IPS)
 - Openfire (Internal Instant Messaging [Jabber])
 - Cyber-Ark (Non-Named Password Management)
 - Squid (NTLM & Kerberos authenticated proxies)
 - Security Center (Enterprise Tenable product related to Nessus)
- Project Work:
 - Technical lead for Jabber (Instant Messenger) replacement

Distributed Systems Engineering (DSE)

2006-2008

Discover Financial Services

- Primary responsibilities:
 - 3rd level support for our operational staff
 - Lead virtualization architect for Linux, Windows, and AIX platforms.
 - RHEL v4 design and support engineer
 - kickstart creation (Pre and Post build process)
 - RPM/SRPM modifications
 - VMware ESX design and support engineer
 - Developed automated build process for VMware ESX 3.0.2/3.0.5
 - Defined requirements for physical to virtual migrations
 - Created custom patches for DST fix
 - Developed ESX automated patching & deployment script using Expect & bash
- Project Work:
 - Technical lead for Discover's VMware ESX server upgrade (version 2.5.1 to 3.0.2).
 - Performed an analysis of industry leading Thin Client manufactures & products for usefulness within Discover.

Resident Assistant	2004-2006
<i>Purdue University</i> <ul style="list-style-type: none"> • Primary responsibilities: <ul style="list-style-type: none"> ○ Developed community amongst the members of the hall ○ Provided a 24/7 support network for residents ○ Planned, created, and executed weekly actives to drive community and outside of class participation ○ Moderated conflicts between residents ○ Worked with fellow resident assistances to create, plan and execute activities 	
Network Administrator	2003-2004
<i>G.W. Berkheimer Co.Inc</i> <ul style="list-style-type: none"> • Primary responsibilities: <ul style="list-style-type: none"> ○ Developed ASP.NET asset tracking database and web front-end ○ Maintained Workstation builds ○ Hardware procurement (Printers/Desktops/Servers/Network) ○ Maintained WAN links between 13 sites covering the Midwest ○ Managed relationships with SBC, Verizon for both fractional T3♦s and Frame Relay links ○ Managed Windows 2000 terminal servers hosting RDP for IBM thin clients ○ Maintained Domino v5 ○ Performed network and user penetration testing using industry standard tool chains 	
General Systems Administration	2003-Present
<ul style="list-style-type: none"> • Linux Administration <ul style="list-style-type: none"> ○ Expect Scripts: created and maintain new expect scripts for remote execution and automation ○ Monitoring: SNMP polling and trapping to centralized nagios and cacti ○ LVMv2 Hardware or Software RAID manipulation/creation ○ Single sign-on via LDAP/Kerberos or Winbind (Active Directory) ○ Web Hosting: Tomcat/Apache vhost configurations making use of mod-rewrite, webdav, and ldap ○ Infrastructure Services: bind v8-9.x zone configuration and modification utilizing ACL's, dynamic dns (rndc), and primary/salve implementations. ○ Email Hosting (MTA) Postfix/Qmail making use of vhost & SASL in all implementations. Full spam & virus filtering solutions are deployed utilizing spamassassin, clamav, dcc, and razor2. • Networking <ul style="list-style-type: none"> ○ Creation and maintenance of IPSEC & SSL VPN tunnels (openvpn, racoon) ○ CISCO & Linux VLAN trunking Bonding Bridging ○ Linux iptables: single server or firewall configurations 	
EDUCATION	
Walden University	2008-2010
<i>Minneapolis, Minnesota</i> Masters of Business Administration – Technology	
Purdue University	2002-2006
<i>West Lafayette, Indiana</i> B.S., Computer Information Technology	