

## Matthew Rideout

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## Summary

Results-oriented Linux systems administrator with 9 years of proven experience managing heterogeneous networks. Background includes administering a major university's Linux cluster, where custom modifications were made to optimize load balancing, and reduce disk usage by 97%. Entrepreneurial experience improves ability to see technology from a business's perspective, and be self-directed.

## Experience

### Systems Administrator, Owner

Wind Serve, LLC - Epworth, GA  
Nov 2002 to Present

- IT consultant specializing in Linux and Unix systems administration and network integration for Atlanta and Chattanooga area businesses
- Technical lead on a Linux, Solaris and FreeBSD server migration project for the world's largest automotive wholesaler
- Implementing hosted disaster recovery and capacity overflow solutions for customers' Linux servers using the Amazon EC2 cloud
- Web developer specializing in the LAMP (Linux, Apache, MySQL, PHP/Python/Perl) stack, with some exposure to Java and .NET
- Web hosting business focused on high availability LAMP stack hosting
- Wireless ISP from 2002 to 2003. Designed and construct a wireless mesh network using off the shelf 802.11x and proprietary 900MHz hardware. Phased out to focus on consulting

## Skill Set

### Systems Administration

- Linux Servers - 9 years RedHat Enterprise Linux, SUSE Enterprise Linux, Debian, Ubuntu, CentOS, Fedora
- Unix Servers - 9 years FreeBSD, OpenBSD, NetBSD; 5 years Sun Solaris
- Desktop Support - 9 years Windows, 5 years Mac OS X
- Scripting - Python, Perl, Bash Shell, Ksh

### Virtualization

- VMware - ESX, ESXi, Server, Fusion
- Xen, Amazon EC2, Citrix XenServer
- KVM, QEMU, VirtualBox, UML, MLN

### Servers

- Web - Apache HTTP Server, Apache Tomcat, mod\_ssl, mod\_rewrite
- DNS and Directory Services - BIND, djbdns, LDAP, Active Directory, WINS
- Email - Exim, Postfix, qmail, sendmail, dovecot, SpamAssassin
- Storage - iSCSI, NFS, SMB, CIFS, FTP

### Database Administration

- MySQL - design, maintenance, tuning, replication, normalization
- PostgreSQL, Oracle and Sybase - Linux systems administrator supporting DBAs

### Web Development

- Programming - PHP, Python, Perl, SQL, JavaScript, CSS, XML, XHTML, AJAX
- CMS - Drupal, Joomla, MediaWiki, Wordpress, Zope, OpenCMS
- Frameworks - Django, Google App Engine

### Networking

- Routing - OSPF, IS-IS, RIP, EIGRP,
- Redundancy - VRRP, CARP, HSRP, DDR
- Switching - STP, VLANs, 802.1q trunking
- Monitoring - snmpwalk, Nagios, Big Brother/Xymon, MRTG, Cacti
- Troubleshooting - Wireshark, tcpdump, telnet, netcat, nmap, arp, CDP

### **Linux Administrator**

University of South Florida - Lakeland, FL  
Oct 2006 to June 2009

- Configured USF's Linux cluster to generate networking labs made up of virtualized Linux routers, switches and servers
- Wrote a patch for MLN (Manage Large Networks) software which reduced the disk usage of each virtual host by approximately 97%
- Collaborated with IT Program Director to maintain Linux cluster and develop Linux networking labs

### **Systems Administrator**

MCC Life - Tampa, FL  
July 2000 to Present

- Sole IT employee. Collaborating with staff and management to ensure a productive environment.
- Managing a heterogeneous network of Linux, Windows, FreeBSD and Mac OS X-based systems
- Collaborated with IT staff following a merger to integrate the voice and data networks across sites. Acted as Linux systems administrator for home office

### **Systems Administrator's Assistant**

Lakeland High School - Lakeland, FL  
Aug 1999 to May 2001

- Assisted systems administrator in the day-to-day operations of the campus network
- Assisted electronics teacher in repairing and building PCs, and building a classroom LAN

### **Security**

- Datalink - WPA2, 802.1x, Port Security
- Network - firewalls, IDSs, IPsec VPNs
- File System - SELinux, ACLs
- Application - PGP, SSL, SSH

### **Hardware**

- x86 hardware ranging from Dell servers to Apple notebooks to Soekris embedded appliances
- Sun SPARC servers and workstations
- Cisco routers, switches, 802.11x wireless access points, VPNs, IP Phones
- Co-location experience - racking servers, structured cabling, power management, IP KVMs, terminal servers
- Wireless networking - 802.11a/b/g/n, antenna selection and placement, EIRP calculation, site surveys, mesh networking

### **Education**

- B.S. in Information Technology, University of South Florida, Dec 2006
- Cisco Networking Academy Semesters 5-7, Polk Community College, May 2003
- A.S. in Computer Network Engineering Technology, Cisco Networking Academy, Polk Community College, May 2002

### **Certifications**

- CCNA (Cisco Certified Network Associate)
- MCP (Microsoft Certified Professional), Windows 2000 Server
- CNA (Certified Novell Administrator), NetWare 5.1
- CompTIA Network+ Certified Professional
- CompTIA A+ Certified Service Technician