

RESUME

Jason Ellison
406 South School Street
Fairhope, AL 36532
+1 251 232 4319
<https://www.linkedin.com/in/infotek>

POSITION SOUGHT: Network Engineer / System Administrator

SKILLS: Systems:
Linux RHEL/CentOS and Debian, AIX 4.x, Windows 3.x-2003,
Novell 3.x-4.x, FreeBSD, OpenBSD, Nagios, RANCID

Services:
DHCP, DNS, HTTP, IMAP, IPSec, MySQL, NIS, NFS, POP3,
RADIUS, SMB, SMTP, SSH

Network Systems:
Cisco IOS, Cisco PIX/ASA, IPSEC, IP routing, ipchains/iptables,
OSPF, Profinet, QOS, Siemens, VoIP, 802.11

Programming:
Bash, C, Expect, Ksh, Perl, PHP, Python, SQL

EXPERIENCE:

02/2014
to
12/2015

JMF Solutions
CTO

Utilize automated tools such as Puppet, Ansible, and Expect to manage and maintain a large VoIP install base (60 servers). Manage and maintain a large email infrastructure. Manage and maintain a webserver hosting environments. Industrial Ethernet and wireless design and debug for Kuka, Boeing, General Motors, etc. Focus on SIEMENS gear and Profinet, ISO/TCP. Maintaining low latency and safe transport for industrial PLC protocols and safety traffic.

04/2012
to
02/2014

Rochen
Dundee, Scotland

Work with a virtual team (they are humans) to maintain a large number of Linux hosting servers which are also geographically distributed. Maintain Cisco based network and Cisco Unity Express phone system. Manage VPN devices to enable secure connections for both phones and users. Implement and maintain high performance loadbalancer setup. Focus on networking, security, virtual environments and automated Linux administration. A fun "all hands on deck" environment.

<https://www.rochen.com/>

EXPERIENCE:

02/2008
to
04/2012

Riviera Utilities
Foley, AL

Network and Systems Administrator. Designed and maintained network HP switches, Cisco routers and Cisco firewalls. Maintain all servers Windows 2000-2008, Linux. RANCID for network change management. Squid Proxy, Samba 3.x, Apache with Kerberos AD Integration for various web services Wordpress, NAGIOS and WebCVS. Implement KACE Dell appliance to maintain 170+ workstations. Design/Install/Maintain Vmware ESX 4.x with Dell EqualLogic SAN. Configure and deploy Cisco DOCSIS/CMTS on HFC cable network.

patched nagios plugins-root/check_dhcp.c

check_dhcp: Don't misinterpret the "siaddr" field

[commit 4d5276273287ef59881b541ba96279e91974a4b2](https://github.com/commit/4d5276273287ef59881b541ba96279e91974a4b2)

check_dhcp: Fix handling of "pad" options

[commit f091d59e0f9abec9304d9d230fafc2dec001baba](https://github.com/commit/f091d59e0f9abec9304d9d230fafc2dec001baba)

<http://www.rivierautilities.com/>

02/2008
to
07/2009

JMF Solutions, Inc.
Fairhope, AL

Embedded Linux Consultant. Develop wireless operating system based on Ubiquiti's AirOS for an industrial network equipment manufacturer. Protocol design and Linux kernel module programming modifications in C.

<http://www.jmfsolutions.net/>

02/2008
to
08/2008

BIS, Inc.
Robertsdale, AL
Network Engineer.

Focusing on Larger clients with special needs. Lefthand iSANS, Microsoft Virtual Server, Cisco PIX/ASA/IOS, ActiveDirectory, Windows 2003 Server Administration, Exchange Administration, Squid Cache Design and Installation, Nagios monitoring including writing custom plugins, Apache, MySQL, and MoinMoin wiki maintenance.

<http://www.askbis.com/>

EXPERIENCE:

- 02/2006
to
02/2008
- JMF Solutions, Inc.
Fairhope, AL
- Wireless Network Engineer. Design wireless networks using 802.11a/b/g COTS radio equipment. Networks are installed on cellular towers with 5mi range. Wireless routers are Linux based routers running IkarusOS by Antcor. Worked with Antcorto fix software bugs found while testing their product IkarusOS. Developed wired audio transport system for AM/FM radio systems using FreeBSD, Darkice, Icecast, livecaster and VLC. Currently in use by 88.5 FM, WBHY 840 AM and WLPR 960 AM.
<http://www.jmfsolutions.net/>
- 01/2004
to
02/2008
- B.I.S.
Robertsdale, AL
- Consultant on jobs Cisco, Unix and network security related. Design and configure medium sized networks using Cisco and Linux as components. Design and configure IPSec Networks using Cisco routers, Cisco Pix firewalls, Sonicwall, and FreeSWAN(Linux). Created Linux based samba servers to replace Windows/Novell servers. Utilized Hylafax and Linux to automate a bill processing business, cutting labor requirements in half.
<http://www.askbis.com/>
- 01/2001
to
07/2005
- Delphi Mechatronic Systems
Foley, AL
- Network and Systems Analyst. Install, configure, maintain and monitor Cisco based network, including Cisco catalyst switches, Cisco routers and VPN concentrators. Configure and support multiple AIX 4.x RS/6000 servers. Configure, maintain dhcp, bind, apache, mysql, sendmail servers on AIX and Linux. Install, configure and maintain Citrix Metaframe server. Install and maintain multiple Windows NT 4.0 through Windows 2000 file Servers. Install, configure and maintain Novell 4.11 servers. Deploy and support of 100+ win2000 workstations. Configure and monitor Oracle 8.x servers. Used Netsaint, MRTG and several custom programs to automate system and network maintenance. Wrote several custom utilities in bash, C, expect, perl, php and python. Unix, Windows and Cisco security.
<http://delphi.com/>

EXPERIENCE:

03/1997
to
01/2001

The Computer Outlet, L.L.C.
Foley, AL
Part Owner 10%. Lead Technician. Build and upgrade PC's, Install, configure, troubleshoot networks LAN and WAN. Experience with Win9x/NT, SCO, Linux, Novell 3.x-4.x, Winframe and Metaframe, IPSEC, TCP/IP. Designed and Installed City of Foley Network / Servers (City, Police, Library). Designed Linux IPsec routers. Familiar with Ethernet and fiber structured cabling. In addition to the jobs listed above, I have done consulting in the fields of Linux, QoS, network design and network security.

PUBLICATIONS:

01/2004 Linux Journal Issue #117 "Controlling Devices with Relays"
<http://www.linuxjournal.com/article/6693>

02/2009 BSD Magazine Issue #4 "Opensource Studio to Transmitter Link"
<http://www.bsdmag.org/magazine/829-pc-bsd-uncovered>

06/2009 Linux Journal Issue #182 "SNMP Monitoring with Nagios"
<http://www.linuxjournal.com/article/10204>

05/2012 CVE-2012-2568
Seagate BlackArmor device static administrator password reset
<https://www.kb.cert.org/vuls/id/515283>

SECURITY:

04/2009 Discovered and reported multiple security issues in Tibet System's DVR software.
<http://www.tibetsystem.com/>

02/2010 Discovered and reported multiple security flaws in the Seagate BlackArmor NAS product.
<http://www.seagate.com/blackarmor/>

EDUCATION:

- | | |
|---------|---|
| 07/2009 | Cisco CCNA certification (CSCO11636049) |
| 04/1998 | CNA Novell 4.11 Intra Netware (#9600369) |
| 1997-98 | Faulkner State College. Studied Computer Science |
| 03/1997 | A+ Certified Service Technician (#A36DTT1281) |
| 07/1996 | HP LaserJet Basic Hardware Training (CZ#SA6334)
Certified on many HP printers and computers. |
| 06/1996 | Southeast College of Technology, Mobile, AL Associate Degree:
Electronics Engineering Technology |
| 1993 | G.E.D. High School Diploma |