

David M. Lukens

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EDUCATION **Case Western Reserve University, Cleveland, OH**
Master of Science in Engineering and Bachelor of Science in Engineering - Computer Engineering
Grade Point Average 3.28(A=4.00) - completed May 2000

EXPERIENCE

- 3/05 – present **The Cobalt Group, Columbus, OH** – Production Manager, IntegraLink Division
-Performed project management duties including project definition and scope, timetable management, budget management. Executed the creation of new projects and interfaced with clients to clarify specifications.
-Championed the division's document management system and administered said system.
-Managed the day to day activities of the other project managers and of the data normalization team.
-Acted as point on the research of technical issues involved with new projects.
- 7/03 – 2/05 **Revolution Software, Columbus, OH** – Consultant
-Provided computer consulting services, project planning, IT support, network engineering, Unix administration, and custom programming.
-Developed and implemented an IT security auditing package and acted as lead auditor for clients.
-Developed and implemented a network monitoring solution to monitor disparate networks.
- 10/02 - present **Geek Industries LLC, Columbus, OH** - Co-Owner
-Provided computer consulting services, web hosting, custom web design, network installation and configuration.
- 5/01 – 7/03 **The Edison Welding Institute, Columbus, OH** - Unix Systems Administrator and Information Systems Security Officer
-Administered a number of HPUX, Linux, OpenBSD machines and the associated infrastructure. These systems included license managers, name services, time services, web services, NFS/NIS/Automount services, cvs, and user management.
-Administered firewalls, intrusion detection systems, network monitoring, system auditing and securing, switch configuration, and disaster recovery planning.
-Designed, developed, supported and tested in house applications for the engineering group.
-Had two people report to me for half of their time.
-As part of this job I retain a Department of Defense SECRET clearance.
- 4/98 - 5/01 **Eramet Marietta, Marietta, OH** - Computer Engineer
-Designed, developed, supported, and tested industrial control systems and IT infrastructure systems for Eramet's metal manufacturing processes
-Administered a number of Unix based servers, industrial control applications and IT infrastructure systems. These systems included name services, time services, web services, network monitoring, web based reporting, network security, MODCOMP industrial control computers, AccessPoint and WonderWare applications.
- 12/94 - 10/99 **Case Western Reserve University, Cleveland, OH** - Student Support Technician
-Supported and provided troubleshooting for a myriad of hardware and software for the following environments: DOS, Windows 3.x, Windows 9x, Windows NT, Macintosh System 7/8, Digital VMS, Solaris, SunOS, OS/2, System V, OSF/1, Digital Unix, IRIX, and Linux
-Supported and maintained the department's Unix cluster, which included SunOS, Solaris, VMS, and Linux.

HONORS Dean's List, Case Western Reserve University, 1995, 1997, 1998, 1999
PUBLICATIONS "PalmOS Development Under Linux", The Linux Gazette Feb. 2001

OUTSIDE ACTIVITIES

Theta Chi Fraternity, since 1995
President, Fall 1997, Spring 1998
Secretary, Fall and Spring 1996
Interfraternity Council Representative, Fall 1996
Case Engineer's Council, 1999, 2000
Case Western Reserve University Linux Users Group, 1998 - 2000
Case Amateur Radio Club, 1995 - 2000
President, Fall 1995, Spring 1996
Member of National Association of Rocketry #113, 1997 - present

COMPUTER EXPERIENCE

Skills in:

Desktop Systems

MS-DOS

Win3.x

Win95/98

Windows NT/2k

Mac OS 7/8

Workstation and Unix Systems

Linux

HP-UX

OpenBSD

SunOS

Solaris

OSF/1

Dec Unix

System V

TRU64

Irix

BSDI

NetBSD

FreeBSD

Network Skills - All in mixed OS environments

Ethernet

TCP/IP

ATM

Token Ring

Alcatel/Xylan Switches/Routers

Services Provided in doing System Administration - Maintained various flocks of workstations with up to 40 users on them.

HTTP (Apache, both static data and CGI driven applications)

Mail

Anonymous FTP

SMB file sharing (Samba)

Secure access via SSH

Host based IDS

NFS/NIS

Backup planning and execution

System documentation

Monitoring network and workstation health

Security Services Provided - Experience with investigating security issues, including recovering after compromises and attacks. Also experience with intrusion detection systems, network monitoring and firewalls. A proactive approach is taken if possible, which includes monitoring software for security issues and making needed changes, implementing strong system control, monitoring the network for suspicious activity, and IT auditing.

Recovering third party systems after intrusions have taken place.

Detecting attempted intrusions.

Assisting in tracking of system/network intruders.

Notification of other locations where compromised machines have initiated attacks.

REFERENCES

Kyle Koppenhoefer
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Jose Nazario
Arbor Networks
3431 Edgewood Drive
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