

# Jesse Trucks

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## SUMMARY OF SKILLS

- Security:** GCUX certified, incident handling, auditing, servers, networking, firewalls, intrusion detection and prevention, event correlation, policy drafting, penetration testing, authentication, encryption
- Operating Systems:** Senior Unix Systems Administrator (SAGE IV), Sun Solaris, Linux (Debian, Ubuntu, Red Hat Enterprise Linux (RHEL), SUSE), OpenBSD, OS X (Client, Server), Microsoft Windows
- Software/Hardware:** DNS, email (Courier, POP, IMAP, SMTP, Sendmail, Postfix, Exchange), Sun Enterprise hardware, HP hardware, MySQL, Apache, LAMP, monitoring (Tivoli, BMC Patrol, NimBUS, Nagios), Veritas Storage Foundation, Veritas Cluster Server (VCS), NetBackup, NetWorker, Cisco IOS, enterprise storage (EMC CLARiiON), Supercomputers (Anton, Cray XT, Cray XE), Nessus, Snort
- Programming:** Unix shell (sh, ksh, bash), Perl, PHP
- Administrative:** Policy development, training, personnel management, customer service, presentations, budgeting, project management, change management, disaster recovery, data center management

## EXPERIENCE

### **ORNL, National Center for Computational Sciences**

**Knoxville, TN**

#### **HPC Cyber Security Administrator**

**12/2010 – Present**

- Evaluate security events
- Security policy and procedure development, management, and enforcement
- Consult on security aspects of projects and infrastructure
- Build and maintain security management tools, e.g. IDS, file integrity, and monitoring
- Provide technical support and architecture design for security related solutions
- Design, develop, and implement automation processes and applications
- Research and development on supercomputer and cluster security and monitoring systems
- Security incident handling and response

### **CYBERIUS' NETWORK, Secure and Reliable Systems Consulting**

**Knoxville, TN**

#### **Sole Proprietor**

**8/1996 – Present**

- Analyze and evaluate network security systems
- Rebuild compromised systems and networks
- Assist clients with technical infrastructure management
- Build and maintain servers (Debian, OpenBSD, OS X, Ubuntu)
- Provide technical support and architecture design for client/server solutions
- Consult on work flow and data flow procedures
- Implement custom system and network automation
- Configure and install routers, switches, firewalls, and other networking equipment
- Build custom applications and web sites using PHP, Perl and/or MySQL

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**D. E. SHAW RESEARCH, LLC, A computational biochemistry research laboratory Endicott, NY**  
**Systems Engineer** **3/2009 – 10/2010**

- Oversaw daily data center operations
- Supervised installation and bring-up of 16 Anton supercomputers
- Managed daily production supercomputer and cluster operations
- Monitored and controlled datacenter cooling and power infrastructure
- Supported Rocks HPC Linux clusters
- Developed and maintained policy, process, and procedure documentation
- Designed and implemented internal live training sessions and manuals
- Configured and installed routers, switches, and other networking equipment
- Wrote and maintained internal applications using PHP, Perl, sh/ksh, and/or MySQL

**TDS TELECOM, Telecommunications provider** **Madison, WI**  
**Systems Engineer** **7/2007 – 12/2008**

- Researched and developed technical solutions
- Generated and maintained system, process, and procedure documentation
- Deployed and managed Solaris and Red Hat Enterprise Linux (RHEL) servers
- Designed, managed, and implemented medium to large scale technical projects
- Performed internal Veritas product technical support as subject matter expert (SME)
- Veritas Cluster Server management and design
- Automated reports and processes using shell scripts, Perl, Oracle, and/or MySQL
- Provided advanced technical support to Operational Support team
- Designed and managed server and network architectures
- Supported systems for Oracle, MySQL and MS-SQL RDBMS

**IT CONVERGENCE, Oracle solutions, managed services and hosting provider** **Madison, WI**  
**Technical Services Supervisor** **10/2006 – 5/2007**

- Recruited and developed Systems Administration Team
- Managed U.S. Systems Administration Team
- Maintained Unix, Linux, and Windows systems for multiple clients and internal departments
- Developed and maintained practice, policy and procedure documentation
- Installed and upgraded Unix, Linux and Windows servers
- Managed enterprise storage (SAN, NAS, EMC, iSCSI)
- Administered enterprise backups (NetWorker, NetBackup)
- Managed client expectations and needs
- Served as liaison between Project Managers and Systems Administration staff
- Consulted on security issues and incident handling on both internal and client systems
- Maintained system and network monitoring platform using NimBUS
- Developed and maintained task automation using shell scripting and Perl

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## **AT&T SERVICES, INC., Telecommunications provider**

**Madison, WI**

### **Senior Systems Analyst**

**10/2000 – 10/2006**

- Lead Security Administrator for an organization with over 5,000 Unix and Linux servers
- Managed organizational Security Team, including project management and coordination
- Developed and managed security policy and procedure documentation and training programs
- Coordinated audits for policy and regulatory compliance, including Sarbanes-Oxley (SOX)
- Designed and implemented process automation using shell scripts and Perl
- Created and delivered reports and presentations for peers and management
- Provided mentoring and training for Unix systems support and Unix security staff
- Served as consultant to Chief Security Office staff on Unix security issues
- Responded to security events and incidents as lead technical resource
- Managed and designed Veritas Volume Manager and Cluster Server configurations
- Designed, implemented and managed Disaster Recovery procedures
- Evaluated, designed, tested, recommended, and/or implemented Unix security solutions
- Assisted in security threat identification and patch management for Unix systems
- Managed Solaris Unix and Red Hat Enterprise Linux (RHEL) systems
- Implemented centralized security management and tracking tools
- Evaluated and began implementing a centralized log analysis solution
- Coordinated implementation of Symantec Security Information Manager (SIM)

## **MADISON NEWSPAPERS, INC., Newspaper Publisher and *madison.com* Host**

**Madison, WI**

### **Online Technical Producer**

**4/1999 – 10/2000**

- Constructed and maintained comprehensive firewall solution
- Maintained Internet publishing systems using: Harris, FreeBSD, Linux, OpenBSD, Solaris
- Researched and developed new products and technologies
- Built database systems for maintaining dynamic workflow and product delivery (MySQL)
- Managed new product and system implementations
- Trained newspaper editors and reporters on Web site content delivery systems
- Created custom system processes for data conversion and product delivery to outside vendors
- Managed Internet connectivity and servers (Red Hat Linux, OpenBSD, FreeBSD, Solaris)
- Trained *madison.com* staff to use Real Media Open Ad Stream ad delivery system

## **CHAOTIC MEDIA, LLC., Comprehensive Internet-based Solutions**

**Madison, WI**

### **Chief Information Officer/Partner**

**9/1999 – 4/2000**

- Rebuilt compromised networks for security and stability
- Created and maintained e-commerce systems
- Built and managed Internet servers for internal and client use
- Trained clients on network and server maintenance
- Determined hardware/software needs for internal company solutions
- Managed IT policies and processes
- Assisted in corporate strategic planning

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## **GLOBAL DIALOG INTERNET, Internet Provider System Administrator**

**Madison, WI  
4/1997 – 3/1999**

*Named “Most Valuable Technician” for 1998*

- Developed and maintained network and system security infrastructure
- Created and maintained technical policies and procedures
- Improved customer service through customer surveys, staff training and customer contact
- Hired, trained, and managed technicians for dialup and dedicated support positions
- Trained staff and clients on Internet and networking skills and technologies
- Maintained e-commerce applications
- Built and maintained servers and workstations, including DNS, mail, HTTP, NNTP, and FTP
- Maintained 11 city Wide Area Network (WAN) in southeast Wisconsin
- Maintained office telephony system, including programming and troubleshooting
- Managed departmental budget – 25% of company revenue and spending allocations

## **EDUCATION AND CERTIFICATIONS**

GIAC Certified Incident Handler (GCIH – SILVER) (2005-2009)

GIAC Certified UNIX Security Administrator (GCUX – GOLD) (Since 2003)

Cardinal Stritch University

Coursework toward Bachelor of Science in Management (2007 - 2009)

University of Wisconsin Colleges, Online Program

Coursework toward Bachelor of Science degree (2001 – 2004)

Navy Electronics Technician A-School Phase I & II (1993 – 1994)

## **PROFESSIONAL AFFILIATIONS:**

League Of Professional System Administrators (LOPSA) Founding Member

LOPSA-Madison Local Chapter Founder and former President

LOPSA Board of Directors (2007 - Present)

Chair GCUX Advisory Board (10/2004 – 11/2004)

Vice-Chair GCUX Advisory Board (10/2003 – 9/2004)

GIAC Advisory Board (2007 - Current)

SCinet Security (Supercomputing 2011)

## **MILITARY**

**United States Navy**

Electronics Technician Seaman Apprentice (ETSA)

**11/1992 – 5/1994**

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## **PRESENTATIONS AND TRAINING:**

### **Professional IT Community Conference (PICC) - PICC 2011 Instructor:**

- Blitzkrieg Branding

### **Professional IT Community Conference (PICC) - PICC 2010 Instructor and presenter:**

- Introduction to Virtualized Storage Management
- Mentoring: It's for everyone!

### **Southern California Linux Expo (SCaLE) - SCaLE-U 2009 Instructor:**

- Disaster Recovery: Will you survive?
- Introduction to Virtualized Storage Management

### **Yet Another Perl Conference North America (YAPC::NA) 2008 Instructor:**

- System Administrator Master Class

### **Ohio Linux Festival (OLF) - OLFU 2007 Instructor:**

- Disaster Recovery: Will you survive?
- Storage Management: Basic Concepts and Veritas Storage Foundation

### **LOPSA Sysadmin Days – Cherry Hill 2007 Instructor:**

- Change Management: Why suffer the paperwork?
- Communication for IT: A broad spectrum analysis
- Disaster Recovery: Will you survive?
- Advanced Security: A self-assessment study

### **LOPSA Sysadmin Days – Phoenix 2006 Instructor:**

- Change Management: Why suffer the paperwork?
- Communication for IT: A broad spectrum analysis
- Disaster Recovery: Will you survive?
- Advanced Security: A self-assessment study

### **LOPSA-Madison (Madison, WI, USA LOPSA Local Chapter):**

- Making Effective Presentations (12/2007)
- Change is Coming: Are you ready? (1/2005)

### **SANS Local Mentor Instructor:**

- SEC-506: Securing Unix/Linux (10/2003 – 1/2004)