

## PROFESSIONAL SUMMARY

Over 15 years of experience that includes Linux and Windows administration, Help Desk, team management, networking, information security, database administration, and software development. Well-rounded technical background, excellent communication skills, and experience in both private and academic environments. Demonstrated ability to do long-term strategic planning and improve existing IT processes. Enjoys software development, databases, web technology, and system administration.

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## EXPERIENCE

### **IT Expert (System Administrator)** **Computing and Network Services, University of Florida** Gainesville, FL (August 2011 - Present)

- Linux system administration
- Server deployment and management in a VMware environment
- Respond to Nagios alerts and Remedy trouble tickets
- Rotating after-hours / on-call responsibility
- Apache web hosting (includes experience with mod\_suexec, fastCGI, and other variations)
- Load balancing / clustering
- Support enterprise services running on various Red Hat Enterprise Linux and AIX (along with other flavors of Linux)

### **IT Expert (Database Analyst/Programmer)** **Shimberg Center for Housing Studies, University of Florida** Gainesville, FL (July 2010 – August 2011)

- Agile software development techniques, Test-Driven Development (TDD)
- FreeBSD system administration, server deployments
- PostgreSQL database administration
- Database Development, Perl programming, web development, bash scripting, SQL coding, Subversion
- Data warehousing
- Project Planning / Estimation

### **IT Senior** **Children's Oncology Group, University of Florida** Gainesville, FL (September 2008 – July 2010)

- Appointed to position of Unit ISM (Information Security Manager).
- Functioned as the lone IT guru for the CureSearch Statistical Data Center site in Gainesville.
- Linux script creation and maintenance.
- Jack of all trades, supported “anything that plugs in”.
- Complied with UF Health Science Center SPICE policies.
- Supported Windows desktops and laptops. Laptops are encrypted with PGP encryption.
- Supported servers from IBM, HP, and Dell.
- Deployed storage systems including HP Fibre Channel SAN and EMC Celerra NAS/iSCSI.
- Virtualized Windows and Linux servers.
- Supported software includes Red Hat Enterprise Linux (RHEL), Windows Server 2008, VMware ESX Server, Oracle, NFS (and many other services in the Linux software stack), Tivoli TSM client, Microsoft Office/Outlook 2007, BlackBerry, SAS, R, Citrix client, and many statistical / data analysis packages.
- Advised on budgetary spending and purchases and longterm system planning.

### **Network Administrator** **Florida Museum of Natural History, University of Florida** Gainesville, FL (August 2002 – September 2008)

- Appointed to manager of the museum Systems Team.
- Participated in IT strategic planning for the museum.
- Installed and maintained Microsoft Windows and SQL Server systems.

- Installed and maintained Linux servers (mostly running Apache, PHP, MySQL, PostgreSQL, and Samba).
- Performed duties of e-mail postmaster for domain, including Anti-Spam (Barracuda).
- Maintained internal email, webmail, and mailing list server (Gordano Messaging Server).
- Installed Point-of-Sale inventory, interfaced with UF Finance for credit card sales (TAM Retail).
- Managed server and network monitoring system (IPSentry).
- Assumed management of multi-building LAN network after loss of support from central UF Network Services. Installed, replaced, and maintained network switches (mostly Cisco). Upgraded portions of the network to Gigabit ethernet.
- Completed various audits that were initiated at the University level, on topics such as IT Security and Credit Card processing.
- Given spending authority over \$30,000 departmental budget.
- Created custom software to capture inventory of Windows computers over the network.
- Approved the installation of VMware server to save many units of rack space and improve hardware utilization. Became lead admin of vmware servers after losing a system administrator.
- Maintained iSCSI SAN (OpenFiler).
- Installed the museum's first Tomcat server.
- Wrote various backup scripts, system management scripts, and desktop support scripts.
- Managed helpdesk activities, formalized support policies, and created long-term projects for desktop support technicians.
- Improved desktop support capabilities by standardizing desktop hardware and utilizing Ghost.
- Created the museum Network Access Policy and wrote other policy documents.
- Wrote job descriptions and participated in museum hiring committees.

### **Support Services Technician Denison University**

Granville, OH (August 2001 – July 2002)

- Provided Level-2 support as part of the University Help Desk.
- Gained valuable insight into the efficient operation of a busy Help Desk.
- Supported PC and Macintosh desktops in a Novell network environment.
- Created and maintained Ghost system images for faculty and staff computers.
- Contributed to ongoing hardware and software standards definitions.
- Enhanced desktop system inventory capabilities with custom-built scripts.

### **Systems and Network Administrator JCC Consulting, Inc.**

Granville, OH (1996 – 2001)

- Secured Windows NT, Windows 2000, and Linux servers for deployment on the Internet.
- Simplified deployments by utilizing standard Microsoft tools for unattended installation as well as disk imaging software such as Ghost.
- Increased system supportability and stability by establishing equipment and software standards.
- Implemented Windows NT system policies and logon scripts to manage user environment.
- Migrated e-mail users from multiple platforms to Microsoft Exchange Server and Outlook.
- Installed and maintained corporate Linux-based firewall.
- Migrated network services from Digital Unix and OpenVMS to Windows NT Server 4.0.
- Performed deployment and troubleshooting of a complex distributed client/server database application built on Oracle Rdb.
- Developed SQL reports using Oracle tools.
- Raised company awareness of and pushed for adoption of new and alternative technologies.
- Configured and tested Windows NT backup and restore strategies, including bare-metal restore.

## **PROFESSIONAL DEVELOPMENT**

### **Presentations**

- "Open Technology Standards and Open Source Software"  
FaST Talks series, Denison University, Granville, OH (October 2006)
- "Introduction to Open Technology Standards and Open Source Software"  
Florida Association of Museums Annual Conference, Gainesville, FL (September 2006)
- "Recent Experiences Building a Secure Distributed Windows NT Network in a VMS-centric Environment"

- DECUS Symposium, Cincinnati, OH (May 1997)
- "Optimization of Abstract Data Type Distribution on Multiple Processor Systems"  
ACM Computing week, Philadelphia, PA (February 1996)

### **Certifications and Memberships**

- Member, SAGE, a professional organization of system administrators
- Member, Florida Association of Museums (FAM)
- Dell Certified Premier Technician (2002)
- Windows 2000 Accelerated exam (2001)
- NT 4.0 MCSE (2000)
- MCP (1996)

## **EDUCATION**

### **Training and Conference Attendance**

- Environments for Humans - Web Accessibility Summit, Gainesville, FL (September 2010)
- Agile2010, Orlando, FL (August 2010)
- CompTIA Security+ Training , Gainesville, FL (2007)
- O'Reilly Open Source Convention (OSCON), Portland, OR (2006)
- Information Technology Security Awareness (ITSA) Day, Gainesville, FL (2002-2009)
- "Managing, Supporting, and Troubleshooting the Windows Registry", Akron, OH (October 2001)
- "Building Applications with Oracle Developer and Rdb", Granville, OH (October 2000)
- Microsoft TechEd conferences, various cities (1998-2000)
- Microsoft Official Curriculum Course 1042B, "Installing and Configuring Microsoft BackOffice Small Business Server", Columbus, OH (June 1998)
- "IIS 4.0/Exchange Server 5.5", Columbus, OH (April 1998)
- "TCP/IP on NT Server 4.0", Columbus, OH (August 1997)
- "Introduction to Windows NT Cluster Technology", Cincinnati, OH (May 1997)
- "Inside Windows", Columbus, OH (November 1996)

### **Bachelor of Science, Computer Science and Geology**

Denison University, Granville, OH (1996)

- Graduated Cum Laude.
- Coursework included Algorithms and Data Structures, Programming, Operating Systems, and Software Engineering.