

## James McMurry

*URL:* <http://www.semanticnoise.com/contact/>

## Professional Objective

An infrastructure development and administration position in an environment which allows me to demonstrate my technical proficiency and adaptability, my experience with a wide variety of technologies, and my ability to think quickly and creatively.

## Technical Skills

*Operating Systems:* Solaris, Linux (RedHat, Fedora, Mandrake, Debian, SuSE, others), Windows 2003/2000/NT Server, Windows XP/2000/ME/98/95, Mac OS X, HP-UX, OpenBSD, AIX, Tru64 Unix, Mac OS.

*Languages:* Java (including JSP, Servlets, JDBC, JSTL, JUnit), PHP, Perl, Unix shell and tool scripting, SQL, PL/SQL, XML, XSL, HTML, CSS, JavaScript, ASP.

*Development Tools:* Subversion, CVS, Visual SourceSafe, IntelliJ IDEA, Eclipse, NetBeans, Ant, make.

*Server Software:* Apache HTTP Server, Tomcat, Sendmail, Postfix, Enhydra Application Server, Microsoft Internet Information Server, Oracle Application Server, Netscape Enterprise Server, Microsoft Exchange Server.

*Databases:* MySQL, Oracle, PostgreSQL, Microsoft SQL Server, Sybase, ODBC.

*Hardware:* Sun Enterprise Servers, HP 9000 Servers, HP/Compaq Proliant Servers (x86, AMD-64, IA-64), RAID Controllers (3Ware, Compaq, HP AutoRAID), Ethernet routers, switches, 802.11, PC building and maintenance.

*Protocols:* HTTP, SMTP, POP, IMAP, DNS, FTP, LDAP, SSH, NFS, DHCP, PXE, TFTP, SNMP, NetBIOS, WINS.

*Management Software:* Nagios, VNC, Legato Networker, FLEXlm, Compaq Insight Manager, HP OpenView.

*PC Software:* Microsoft Office, Microsoft Visio, Microsoft Project, Cygwin, OpenOffice.org, Photoshop, other productivity and Internet applications.

## Certifications

*Legato Certified Administrator:* NetWorker 5.5.

*Microsoft Certified Professional:* NT Server 4.0, NT Workstation 4.0, NT Server 4.0 in the Enterprise.

## Employment History

### Software Engineer

*Object Computing, Inc.* (St. Louis, Missouri)

*August 2004–Present*

- Ongoing Java web application development at client site; technologies include JSP, JSTL, JDBC, and iBATIS SQLMaps
- Refactored direct data access into a DAO layer with unit tests to simplify support for multiple RDBMS products
- Developed internal tools and documentation to streamline compliance with development processes

### Systems Manager

*Object Computing, Inc.* (St. Louis, Missouri)

*February 2003–August 2004*

- Provided primary system administration support for a network of approximately 12 infrastructure servers, 20 development systems, and 40 workstations
- Managed internal and external network services, including email, web, NFS, SMB, DNS, VPN, and CVS
- Supported nightly build process for internal server farm consisting of over 30 OS and compiler combinations
- Improved internal infrastructure, including new systems for backup, DNS, and network routing and security
- Developed procedures for equipment purchasing, asset tracking, and license management
- Developed web application for annual employee evaluations using PHP with DB\_DataObject and MySQL
- Maintained and enhanced a variety of internal and open-source web applications written in Java, Perl, and PHP

### Technical Author

*Wrox Press*

*October 2002–January 2003*

- Authored four chapters on configuration on MySQL master and slave replication servers and replication scenarios for *MySQL Transactions and Replication Handbook* by Wrox Press. Rights sold to Apress in 2003; not in print

**Contractor - Programmer/Analyst, GE Consumer Products (formerly GE Appliances)**

*Maxim Group (Louisville, Kentucky)*

*December 2000–September 2002*

- Provided developer support, documentation, and enhancements to a global software development organization on web application infrastructure components and systems
- Performed code reviews and served as a developer resource for internal applications
- Developed and refactored web-based application performance monitoring and reporting tool, including graph generation, data aggregation and maintenance, and tiered outage notification
- Designed and developed web-based application deployment tool using Java, Perl, SSH/SCP, and Oracle in order to reduce manual deployment tasks across multiple environments
- Maintained and administered a CVS repository containing over 200 modules for multiple development groups worldwide
- Implemented XML-based delivery of performance metrics to corporate systems viewed by senior corporate executives
- Customized open source development tracking application written in PHP with PostgreSQL and Apache, including new development of LDAP integration, reporting, and management features

**Director of Corporate LAN/WAN**

*WorkNet Communications Inc. (St. Louis, Missouri)*

*June 2000–December 2000*

- Supervised three person IT support team for 200 local and remote users; support included e-mail, file/print servers, and workstations
- Administered all corporate application, database, and web servers on Windows NT and 2000 Server platforms
- Designed and developed dual purpose intranet/extranet site for company employees and partners
- Managed existing Internet and intranet sites
- Managed environments for development, test, and production of corporate IS systems, including backup and move-to-production procedures
- Led evaluation of technology for corporate computing platforms and standards
- Managed budgeting, staffing, and vendor relationship responsibilities

**Systems Administration Manager**

*Viatel (formerly Destia Communications) (St. Louis, Missouri)*

*January 1999–June 2000*

- Administered several mission-critical software tools for 24/7 network operations center; platforms included HP-UX, Solaris, Linux, and Windows NT Server
- Administered RDBMS platforms, including Oracle, Sybase, and Informix
- Designed and implemented production server platforms, including hardware selection, installation, and facilities management
- Managed hardware and software vendor relationships, support contracts, and licensing
- Developed recovery plan including comprehensive backup policies using Legato NetWorker and a standby server located in London facilities
- Maintained global terminal server network consisting of 15 devices, including monitoring of device logging and remote access
- Developed web-based network performance reporting, including database integration and export functionality via e-mail

**Contractor - Systems Administrator, MCI WorldCom**

*Cotelligent, Inc. (St. Louis, Missouri)*

*September 1998–January 1999*

- Administered Lucent software systems on HP-UX and Solaris platforms for management of network elements and data collection from telephone switches
- Coordinated implementation of production projects with project managers, vendors, and technical staff
- Managed backup/recovery procedures for production and development environments using Legato NetWorker and custom shell scripts
- Improved and maintained existing monitoring procedures, and created new processes for effective systems management

**Contractor - Technical Analyst, Federal Express Corporation**

*ProTech Systems Group (Memphis, Tennessee)*

*November 1997–July 1998*

- Administered a workforce management client/server application on Windows NT Server and Oracle 7 platforms
- Administered departmental HP-UX workstations
- Coordinated several component owner groups within Federal Express during production build and move-to-production processes

- Designed and implemented support plan and documentation for 24/7 operations staff

#### **User Applications Programmer II / Consultant**

*The University of Memphis - IS Client Services (Memphis, Tennessee)*

*March 1996–November 1997*

- Provided help desk support for computing users, including top level support for Macintosh computers and MacOS (approximately 40% of campus installed base)
- Supervised web team and managed public and internal WWW and FTP sites
- Administered Windows NT Server 4, Linux, Digital UNIX, and AppleShare servers to provide support materials to technical staff and end users
- Packaged and documented software for end users, developed training materials and course curriculum, and delivered technology seminars and presentations

#### **Education**

**M.Music studies in Composition**, 1995–1996. Incomplete.

The University of Memphis (Memphis, Tennessee)

**B.Music in Theory/Composition**, 1995. Magna Cum Laude.

Ouachita Baptist University (Arkadelphia, Arkansas)

#### **Miscellany**

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