

# JASON MCINTOSH

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## PROFESSIONAL EXPERIENCE

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May 1999 – Current

Campus Facilities, Systems Development

Columbia, MO

*Programmer/Analyst Expert*

- Program lead for java web based application development, utilizing Echo2 libraries for AJAX interactive web applications. This process included a year and a half conversion of a application called “Projex” originally developed for use by UM System Campuses, including database conversion scripts, Virtual Private Databases in Oracle, combining and merging multiple separate database schemas into a centralized database, and other major rewrites of application interfaces into this framework. Duties included working heavily with another application coder to develop base component code, concepts, standard practices, interface design, and application code. Integrated reports with report writing team into the application, including standard behaviors and security principles for reports, access logs, monitoring, etc. Additionally, customized Wiki system for documentation and help access for users.
- Install and maintain a Document Management System with integration into web based and thick client applications.
- Primary developer on a project management system called “Projex” used by four University of Missouri System campuses to track all aspects of campus building projects from start to finish. This system includes cost calculations for over 2000 projects over the past 20 years, with individual projects consisting of over \$100 million in cost, payment history and calculations, funding planning, automation tasks, tree based hierarchical listing of data, etc.
- Head of maintenance, development, and system support for main human resources database including a salary calculation system for a \$15+ million dollar budget.
- Developed Java software that handles University of Missouri auto leasing rentals as well as vehicle repairs, fuel tracking, accounting information, rates, codes, and related transactions.
- Maintain subversion repository, including backup scripts, processing, maintenance, and other related tasks.
- Web development using Java servlets, JSP, PHP, HTML and CGI scripting languages. This included a custodial application to track all rooms and room inventory data on the University of Missouri campus as well as custodial operations and web reporting system.
- Development of departmental Java Swing, AWT, and/or Java Servlet (web) based interface applications, with an Oracle back end.
- Convert and support old FoxPro, Dbase applications.
- NT 4/Windows 2000 server administration and configuration. Set up network services, shares, permissions, and users in Domain.
- Assist with the configuration and maintenance of Novell 6.0 servers.

- RedHat 6.2 through 9, SuSE 7.2 through 9 Linux administration. Includes Oracle database administration, file system, web server development, user administration and systems configuration. Maintained apache 1.3.27 through 2.0.42, and tomcat 4, Oracle 8.0.5 through 9iR2 including backup systems, and Samba 2.2.7 administration.
- Solaris 8, 9, 10 administration on a SunFire V880 system.
- Crystal Reports creation using 8.0, 8.5 and 9.0.
- Actuate BIRT report writing, integration, and support (supported by the Eclipse group)
- PL/SQL Stored procedures and database administration.
- Hardware maintenance and planning, including parts ordering, Fibre Channel SAN configuration, backup device and software evaluations, and related tasks. Person in charge of all hardware purchase specifications.

October 1998 – March 1999

Biological Sciences

Columbia, MO

*Student Assistant*

- Helped maintain a network of Macintosh and PC computers.
- Installed, maintained, and configured network software.
- Handled hardware upgrades and maintenance.

May 1996 – June 1999

Vaughan Pools, Inc.

Columbia, MO

*Technology Assistant and Retail Sales*

- Handle retail sales
- Do water analysis tests
- Manage hardware inventory
- Manage filing and paperwork of inventory and customer data
- Built web site and e-commerce site.
- Installed and set up cabling and network.
- Set up users and local network using mix of NT and 95 machines

## SKILLS

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### **PROGRAMMING:**

- Java versions 1.1.7, 1.2, 1.3.0, 1.3.1, 1.4.1, 1.5.3
- Java Swing, AWT, JNDI, LDAP, JDBC development.
- Echo2 toolkit for web development (<http://nextapp.com/>), including maintenance /customization of Open Source library files.
- SQL V.92, with Oracle extensions, including PL/SQL programming, DDL, DML
- PHP 4.0 through 4.3 programming
- GNU C/C++
- Perl v 5.003
- Bash/Csh scripting
- Microsoft Visual Basic 4 through 6.0

