

Andrew Lawrence

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Objective

Seeking position to implement my knowledge of networks and information technology and to apply my skills of network design and administration, systems administration, web design and programming, and hardware and software troubleshooting and repair.

Employment

Fossit Solutions | Owner

May 2007 – Present

- Web Developer
 - Designed and Implemented numerous Web sites for various companies
 - Developed advanced, cross-browser compatible user interfaces that utilize the latest web technologies including AJAX, Javascript, HTML 5 and CSS 3
 - Created scalable web applications with high levels of usability and interactivity
 - Performed security audits on existing web sites and applied patches and hardening techniques to lock down potential exploits
- Information Technology Consultant
 - Aided companies in designing and implementing best-of-breed open source solutions to reduce costs and increase productivity
 - Designed and built custom servers to specifically meet the needs of the customer
 - Analyzed network layouts and data flows to identify potential bottlenecks and deployed solutions to increase the overall efficiency of the network

Mac-Clair Mortgage | John O'Leary

January 2005 – May 2007

- Systems Administrator
 - Installed and maintained 8 Linux servers and 1 Windows 2003 server.
 - Migrated all Linux servers from various Red Hat versions to CentOS and Ubuntu.
 - Administered IBM Universe, Oracle, PostgreSQL and MySQL database servers.
 - Implemented firewall and VPN solutions to securely connect branches and Loan Officers to the corporate office.
 - Installed OpenLDAP and LDAP administration software to create a corporate wide single sign-on system.
 - Built a file server using Samba and created departmentalized secure shares for group based security.
 - Performed regular security audits and penetration tests on all production systems.
 - Researched and installed an open source document management system to help the corporate office go paperless.
 - Configured and customized a web based customer relationship management software package for use in marketing campaigns and customer tracking.
 - Installed Apache Tomcat server to implement Jasper Server, an open source reporting solution that uses jasper reports and connects to data sources using JDBC.
 - Responsible for researching and purchasing all computer and networking systems.
- Development
 - Built new web site with modern look and feel and added online applications and personal loan officer pages.
 - Designed and implemented a corporate wide backup solution with automated encrypted nightly off-site backup written using BASH and PHP.
 - Created secure online rate lock system using PHP and MySQL.
 - Developed software to merge a mortgage database with a third party credit report database to allow better tracking of lead conversions and more accurate reporting.
 - Authored a branch locator web page that produced a list of the closest loan officers when a zip code was entered.
 - Produced many smaller programs including an online memos website and scripts to change SSH keys across all servers automatically.
- Help Desk
 - Provided hardware and software support for corporate office and all 13 branch offices in 4 states.
 - Implemented remote systems support solution from Citrix.

Employment (Continued)

Global Capital Strategies | Ron Newton

July 2006 – January 2007

- Systems Administrator
 - Built server and firewall machines
 - Implemented Linux based firewall solution
 - Installed and configured Apache with SSL certificate
 - Setup open source document server solution for secure delivery of client's documents.
 - Setup CRM software for use by sales force.

T&L Distributors | Tim Sessions

August 2004 – December 2004

- Web site design and creation using HTML, Javascript and PHP.
- Server administration using SSH and web based tools.
- Graphic design using Adobe Photoshop for logos and website.

John W. Connell & Associates | John Connell

October 2003 – August 2004

- Windows 2000 Server administration
 - Configured and administered File and Print Sharing services.
 - Device driver troubleshooting and re-installation.
- Network and printer diagnostics and repair.

Skills & Abilities

Web Development

- Skilled in the use of several major server-side web programming languages including PHP, Python and Ruby
- Excellent working knowledge of Javascript and AJAX including the use of libraries including JQuery, Mootools and Dojo
- All HTML and CSS fully adheres to W3C web standards
- Employ best practices in design and structure of a web application including Model/View/Controller project architecture, Object-relational mapping and RESTful design principles

Systems Administration

- Linux/UNIX
 - Great understanding of Linux and UNIX systems including installation, administration, and maintenance on most major distributions including Red Hat Enterprise Server, SUSE Linux Enterprise Server, Debian, CentOS, OpenSUSE, Gentoo, and Ubuntu.
 - Experienced at implementing and administering various services such as Apache, Samba, IBM Universe, Oracle, OpenLDAP, Tomcat, MySQL, PostgreSQL, SSH, NFS Squid and FreeS/WAN.
 - Skilled in troubleshooting and logical reasoning so when a problem presents itself the correct solution can be implemented instead of just a quick fix.
- Microsoft Windows 2000/2003/2008 Server
 - Proficient in Active Directory administration, Internet Information Services, and Distributed File Systems.
- Networking
 - Terrific working knowledge of TCP/IP networking
 - Great at physical network layout and design
 - Worked with networking components from several major vendors including Cisco, Netopea, Netgear, D-Link and Linksys
 - Knowledgeable in various firewall, proxy, and VPN technologies
- Database Administration
 - Familiar with Oracle, MSSQL, Universe, MySQL, PostgreSQL databases.
 - Fluent in SQL
 - Excellent understanding of database connections using ODBC and JDBC.

Skills & Abilities (Continued)

Client Operating Systems

- Microsoft Windows 95, 98, ME, NT, 2000, XP, Vista, 7
- Linux/UNIX
- Mac OS X

Programming Languages

- PHP, Python, Ruby, Bash, SQL, HTML, CSS, Javascript, Visual Basic, Java, and C/C++

Software

- Microsoft Office
 - Word, Excel, Powerpoint, Outlook, Access
- Business Objects Crystal Reports
- Adobe Products
 - Illustrator, Photoshop
- Eclipse IDE
- Aptana Studio
- Netbeans IDE
- The GIMP
- Inkscape
- OpenOffice.org

Education

Lansing Community College

August 2002 – May 2004

- Associates Degree in Business, Computer/Network Communication
- Dean's List
- Obtained the following certifications: **CompTIA A+**, **CompTIA Network+**, **CompTIA Linux+**, **Microsoft Certified Professional**.

References

Available on Request