

Adam Sommer

1816 Ray Brown Road
Boone, North Carolina 28607
1 336-462-9659
asommer70@gmail.com

Objective: Web Developer

Technical Summary:

LAMP Development:

Developed web application to display Twitter streams side by side for sports teams during event times, <http://thehoick.com>.

Also using the Pyramid, a Python web application framework, I created a form management and workflow application. The application helps track form approvals for auditing purposes. Using CouchDB as the backend the application is very flexible and redundant.

I have developed multiple web applications in Python using the Pylons web framework. These applications connected to Informix databases, OpenLDAP, MySQL, and Microsoft SQL servers.

I developed a Pylons web application to migrate user accounts, email, contacts, and calendars from Horde Groupware Server to Google Apps for Education.

Also, I used Pylons web framework to develop a web application to serve XML content to Cisco VOIP phones.

I implemented central authentication using OpenLDAP, and developed Python web application to help coworkers create, edit, disable, and delete user and group objects.

Linux Development:

I wrote a Python script for an information collecting application to help triage bugs in Ubuntu.

I have developed Python scripts to migrate data from Informix database into Oracle database and created command line scripts to automatically create user accounts in OpenLDAP, and scripts to update, delete, and disable accounts.

I created a script update existing mailing Mailman mailing lists and created new ones based on information in an Informix database using Python.

I developed custom Nagios plugins to monitor vital network services.

I also contributed to the ldapscripts, shell script, application to use more dynamic templates when creating users and groups in OpenLDAP.

Windows Development:

I developed Python scripts to automate software installation and configuration on workstations.

I have created login scripts to dynamically assign printers and drive mappings.

Used py2exe library to create .exe file from Python script to update pages in Mediawiki.

Education:

2000-2002:	Information and Network Technology Manhattan Area Technical College Manhattan, Kansas Diploma earned
1994-1998:	Pratt High School Pratt, Kansas Diploma earned

Skills:

<u>Languages</u>		<u>Years Experience</u>
Python	7	
Ruby		8
Perl		4
PHP		7
SQL		9
HTML		12
CSS		10
JavaScript		9
VBScript		6
C		3
C++		3
XML		4

<u>Operating Systems</u>		<u>Years Experience</u>
Ubuntu		8
Redhat		8
CentOS		5
Gentoo		4
Solaris		5
HP-UX		4
Windows 2000	7	
Windows XP		8
Windows 2000 Server		8
Windows 2003 Server		7
Vmware ESXi		3

<u>Tools</u>	<u>Years</u>	<u>Experience</u>
Vim		9
Eclipse	5	
NetBeans		1
Subversion		7
Bazaar		5
Debian Package Building		3

Experience:

2013-Present:
Administrator

Freelance Web Developer and Systems

1816 Ray Brown Rd.

Boone, NC 28607

336-462-9659

thehoick.com

- Maintain and develop new features for form management web application.
- Develop new features for helpdesk system based on PHP, MySQL, and Apache.
- Provide systems administration support for virtual machines.
- Maintain and support Ubuntu Linux servers for small community college.
- Develop web applications using Flask and Ember.js.
- Develop Android applications for integrating with web applications.
- Develop custom report web applications to parse data from help desk system.
- Maintain and update WordPress websites.

2011-2013:

Access Eforms, LP

906 N. Hillcrest Dr.

Sulphur Springs, TX 75482

903-439-1322

www.accessefm.com

- Develop Python scripts to migrate old trouble ticket system from custom web application to new Kayako Fusion installation running in Amazon EC2.
- Developed a custom module for Kayako Fusion in order to automatically log time worked on tickets.
- Migrate company servers from collocation facility to hosted virtual environment.
- Support SecureLink remote connection software for company employees and clients.
- Provide remote support to customers for company products.
- Customize Kayako Fusion helpdesk software to better support the needs of the Support Team.
- Develop report web applications using Angular.js, Bootstrap, and PHP.
- Developed a file sharing site using Apache's autoindex module, jQuery, and Bootstrap.
- Developed mod_authn_lmdb to allow for fast credential caching in Apache

2010-2011:

Montgomery Community College

1011 Page Street

Troy, NC 27371

1 910-576-6222

www.montgomery.edu

- Part of a small dedicated team who maintain a mixed Windows, Netware, Solaris, and Linux environment.
- Working on migrating Netware to Samba + OpenLDAP solution for central authentication and authorization.
- Used Clonezilla to image workstations in a computing lab.
- Update, backup, and maintain Colleague, the college information system.
- Administer GroupWise email and calendaring solution. Including backups, updates, and upgrades.
- Replaced Mousetracks, Microsoft Access based, help desk system with Request Tracker a LAMP application help desk.
- Implemented Mediawiki for internal IT documentation and project tracking.
- Administer and maintain Squid proxy for web traffic auditing. As well as maintaining Nagios alerting system.
- Convert existing server infrastructure to Vmware ESXi hypervisor. This system utilizes an EMC SAN solution.
- Implemented Linux KVM virtualization system for IT testing.
- Maintain and update Cisco router and firewall configurations.
- Implemented version control of all configuration files using a shared Bazaar repository

2007-2011:

Ubuntu Community

- Work as part of a geographically distributed volunteer community helping develop Ubuntu Server Edition.
- Main author and contributor to the Ubuntu Server Guide for three years.
- Consistently create specifications for the next version of the Ubuntu Server Guide, complete them on time, and with the best possible quality.
- Help test for bugs and regression issues in Ubuntu Server Edition since 2007.
- Helped test Ubuntu ISO images, when possible, by manually initiating the installation and upgrade process.
- Contribute packaging fixes when needed, and the bug fix was within my skill level. Helped issue a stable release update for the eBox package in Ubuntu 8.04 and 8.10. Patched some applications written in C to fix issues when the ClamAV anti-virus library was updated.

- Tested specific software packages for current and supported releases. Such as clamav, eBox, and likewise-open.
- Help Ubuntu users solve problems by answering questions over Internet Relay Chat.

2006-2010:

Salem Academy and College

601 S. Church Street

Winston-Salem, North Carolina 27101

1 336-721-2600

www.salem.edu

- Administer, update, and upgrade thirty Linux servers for four years.
- Migrated twenty plus CentOS servers to Ubuntu. This enabled the organization to have the latest security updates, software updates, and the newest software features. Also, upgraded MySQL databases to latest versions.
- Implemented central authentication and authorization using OpenLDAP, and developed Python scripts to automate and facilitate user and group administration.
- Used DRBD and KVM virtualization to provide high availability file, web, and MySQL database servers.
- Migrated mail servers from basic SMTP and IMAP server to Google Apps for education. Developed web application to enable self-service migration of student accounts.
- Migrated legacy Java applications, that performed system administration tasks such as creating new users and importing CSV files into a database, to Python. Migrating the applications to Python allowed our organization to accomplish these same tasks in a more efficient manner.
- Supported users in their day to day tasks through a central Request Tracker help desk system.
- Used multiple installations of Mediawiki, backed by MySQL, for internal documentation by multiple departments and groups in the organization. Using a wiki allowed very different groups to collaborate, and help stream line internal processes.
- Implemented a Help Desk system using Request Tracker for the IT department and Web Master. This enabled tracking of tasks and common issues throughout the network. Request Tracker was also used by the Librarians to track Inter Library Loan requests. This allowed them to move to a paperless system, saving the organization both time and money. The back end MySQL database quickly grew to several hundred megabytes in just a few months.

2004-2006:

Mercy Regional Health Center

1823 College Ave.

Manhattan, Kansas 66502

1 785-776-2830

www.mercyregional.org

- Administer Windows 2000 Server, Windows 2003 Server, and Gentoo Linux servers. • Kept server updated and performed upgrades as necessary.
- Implemented a document imaging and management application.
- Application consisted of Windows 2003 server application, workstation software as well as image scanners, and embedded C-Tree database.
- Used Nagios running on a Gentoo server to monitor every server, switch port, and router in the organization. This enabled vastly improved response time and troubleshooting network problems.
- Created an Intranet portal site to simplify access to retirement information, partner facility Intranet access, and employee phone directory. Portal site also gave document viewing capability to thin clients based on IP address, allowing doctors and nurses to view patient records from inside patient care areas.
- Developed custom reports using Microsoft SQL Reporting Services. These reports allowed auditing of user workstation access, VPN access, and RAS access. Having these reports contributed to HIPAA compliance, and alleviated the need to estimate access usage.
- Used VBScript to automate Active Directory administration functions saving a large amount of manual updates. Created scripts to add attributes to groups of users, add users to groups, update user account status, and report user account status.
- Administered and helped upgrade Exchange mail servers. Also, helped migrate accounts from legacy Lotus Notes to Exchange.

2002-2004:

Kasual Computing

5021 E. Trindle Rd.

Mechanicsburg, Pennsylvania 17050

1 717-691-8890

www.kasual.com

- Part of a Value Added Reseller team providing network, software, and consulting support to small and medium businesses.

- Administered mixed Windows and Linux network environments. Put together services and procedures to provide the same features as Microsoft Small Business Server.
- Migrated legacy Netware server installs to both Windows and Linux installations. Linux servers provided a great cost benefit to small organizations not able, or willing, to spend the money for Windows applications.
- Worked with townships, fire departments, police departments, and water treatment facilities in the Harrisburg area.
- Setup and supported remote access using VPN appliances. Used Cisco, SonicWALL, SmoothWall custom Linux distribution, and Redhat servers to allow remote access to local networks.
- Supported small radiology imaging center and out patient surgery center. Was able to familiarize myself with the medical field's technology needs.
- Researched and consulted businesses on Free and Open Source software, and how it can benefit their organization.
- Responded at all hours to workstation, server, and network issues. Also, participated in many all night network upgrades for police and township networks.

Certifications:

- A+
- CCNA 2002-2005

References:

Mr. Ron Olsen

Product Specialist
Access Eforms, LP
906 Hillcrest Drive,
Sulphur Springs, Texas 75482
+1 785-320-5123

Mr. Mitch Walker

IT Director
Montgomery Community College
1011 Page Street
Troy, North Carolina 27371
+1 910-576-6222

Mr. Paul Benninger

IT Director
Salem Academy and College
601 S. Church Street
Winston-Salem, North Carolina 27101
+1 336-917-5460

Mr. Richard Clark

Database Administrator
Salem Academy and College
601 S. Church Street
Winston-Salem, North Carolina 27101
+1 336-917-5464