

August Schwer – August@Schwer.us

April 2013 to Present: Senior System Engineer – Safari Books Online, Sebastopol, CA.-

Design, build and maintain systems infrastructure for Cloud, Virtualized, and Physical IT environment.

September 2004 to April 2013: UNIX Senior System Administrator – Sonic.net, Santa Rosa, CA.-

Manages and hires Junior System Administrators. Oversees customer co-location data center requests. Maintains PowerDNS, BIND, all DNS servers and software. Develops the Mon server monitoring software. Administers NetApp enterprise class filers. Writes and maintains software server APIs. Purchases server equipment.

- Implemented hardware failure monitoring across all servers by implementing event log correlation.
- Increased customer security by implementing Response Policy Zone technology on customer DNS.
- Deployed a Dynamic DNS API for customers to programmatically modify their DNS.
- Increased customer security by developing a tool to block malicious domains in our DNS.
- Increased customer security by deploying DNSSEC recursive name servers across our existing DNS infrastructure.
- Deployed a new e-mail storage NetApp pod to our existing cluster, utilizing snapmirror to migrate existing e-mail data seamlessly, and without customer impact.
- Increased server hard drive speed on all servers by 15% by modifying drive partition alignment.
- Deployed a new server deployment procedure to decrease errors, and eliminate waste for annual power savings of \$2,000.
- Developed an automated DNS cleanup system that will notify customers of expired domains and remove them.
- Deployed a new server power management software to decrease errors and aide customers.
- Implemented co-location receivership process that improved turn-around time to twenty-four hours.
- Lead project to implement PHP Web DNS domain editor for customer use.
- Lead project to migrate BIND DNS implementation to PowerDNS with MySQL replication.
- Successfully recruited, interviewed and hired Jr. System Administrator candidates.
- Successfully migrated data and configurations from NetApp F740s to new NetApp 3020cs.
- Joined the Mon (<http://mon.sf.net>) development team.
- Created Perl based Servers to interact with internal client tools via TCP/IP network.
- Implemented PostgreSQL Database Management System for customer use.
- Maintains Webmail software (SquirrelMail) and implemented an alternative solution (NutsMail).
- Implemented Subversion the Code Version Control System for internal use.

- Maintains RPM builds for internal Package Management.
- Maintains Mailman; email list software and server.
- Lead project to achieve PCI and ScanAlert “Hacker Safe” compliance.
- Implemented mod_security with Apache to block malicious requests on customer web servers.
- Migrated internal MySQL databases on customer DBMS server onto internal server and updated dependent code.
- Implemented Ruby on Rails development framework for customer web servers.
- Maintains Leased Linux Server hardware inventory database and deployment code.
- Built and maintains public software mirror using rsync and custom scripts to keep in sync.
- Created instructional document for customers to perform an in-place upgrade of their Leased Linux Servers.
- Deployed new monitoring software (Mon) to provide reliable network and systems monitoring.

July 2001 to September 2004: Student Intern – Sonoma County Water Agency, Santa Rosa, CA.-

Develop web based applications to help automate tasks, and facilitate communication between the end user and tech support. Performs desktop and server support; installing, updating, and testing mission critical software. Collaborate with other programmers and IT staff to recognize and solve problems.

- Created web page front ends (HTML, PHP) to open source database back ends (PostgreSQL,MySQL).
- Maintained and developed report generation/automation, and data migration tools using RPG and Perl.
- Administered and configured the Apache web server.
- Administered both the MySQL and PostgreSQL DBMSs.
- Directed tutorial sessions on new programming developments to Senior Programmers and IT staff.

BS Computer Science 2004 Sonoma State University.

Vice President North Bay Linux Users' Group 2004 to 2006.