E-mail: geoff@greer.fm
Website: http://geoff.greer.fm/

Geoffrey Greer

Objective

Seeking a position to expand my programming experience in a challenging work environment.

Skills

- Languages: C, C++, C#, Objective-C, PHP, Perl, Python, Java, JavaScript, HTML, CSS, SQL, Ruby, TI-BASIC
- Operating Systems: FreeBSD, Linux (Ubuntu, Fedora, and RHEL), OS X, Windows
- Standards/Protocols: IP, TCP, UDP, HTTP, SMTP, DNS, ICMP, IRC
- Utilities/Servers/Other: Berkeley DB, MySQL, memcached, httpd, Firebug, gdb, qmail, djbdns

Work Experience

Ask.com/Bloglines Software Engineer **April 2007 - Present**

- Set up and maintained Zenoss to monitor services and cron jobs on production machines.
- Helped develop and maintain all aspects of Bloglines, including front-end HTML/JavaScript/CSS, CGIs, crawlers, and databases.
- In a pager rotation for 18 months. I fixed operational problems and built/deployed new releases. Pager duty was 24/7 for one week at a time. Common tasks included debugging CGIs, attaching gdb to malfunctioning services, and troubleshooting miscellaneous machine and network failures.
- Created a BerkeleyDB database to allow users to save and organize interesting blog posts in Bloglines.
- Maintained and improved the distributed file system used to store blog posts crawled by Bloglines. One change increased storage efficiency by 25%, saving 11 terabytes of space.
- Worked with another team member to rapidly develop an iPhone version of Bloglines.
- Set up automatic releases to staging servers using buildbot.
- Improved the caching of BerkeleyDB secondary indices in memcached, decreasing load on the user database.
- Added the ability to whitelist embed sources in the Bloglines HTML security filter, allowing users to see YouTube embeds in blog posts while blocking flash from unsafe sites.
- Developed reporting programs for user visit statistics. These reports helped find and block scrapers. Also they made pretty graphs, and everyone loves pretty graphs.
- Worked with a team of three others to add cross-data center replication to the Bloglines distributed filesystem.

Inland Northwest Health Services Software Engineer **September 2006 - April 2007**

- Designed, coded, and maintained numerous web applications used by local hospitals to track patients and their health information.
- Member of a five-person team which created a SQL database to store patient data and track patients throughout surgical procedures. The database was designed to incorporate statistics gathering and reports to help decrease procedure errors.
- Wrote T-SQL stored procedures and UDFs for the database mentioned.
- Created a .NET service to monitor automated periodic tasks and alert the on-call person in case of failure.

Inland Northwest Health Services Intern **June 2006 - September 2006**

- Maintained and eventually rewrote a PHP content management system.
- Set up internal development tools such as Bugzilla and IRC.
- Discovered and removed a rootkit on a production machine.

Personal Projects

- Submitted patches to get Traffic Server building and running on OS X.
- Currently working on a VPN service that allows users to circumvent GeoIP restrictions.
- Developed a web app and later a native app for the iPhone to control my appliances and lights over X10. The iPhone sends XHRs to a web server in my apartment, which is connected to an X10 transmitter.
- Discovered and fixed a bug in OS X's Apache Portable Runtime Project.
- Submitted a patch to improve APR's handling of RFC822 dates.

Education

Gonzaga University **Fall 2006 - Spring 2007**
Iona College **Fall 2003 - Spring 2006**

References available on request.