Matt Graham

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TECHNICAL SKILLS

Languages:	PHP, C, C++, Perl, bash, SQL, some Java, some Ruby
Operating Systems:	Linux(Gentoo, Ubuntu, RHEL/CentOS), Windows 2000/XP
Databases:	MySQL, some Postgres

WORK EXPERIENCE

The Arizona Republic: Phoenix, AZ — June 2008–present

Sr. Online Developer

- Administered over 50 Linux machines responsible for serving web pages in a demanding 24/7 environment with millions of page views per day, using DRBD, LVS, and heartbeat to eliminate single points of failure.
- Wrote new PHP apps, debugged and added features to old PHP apps.
- Built custom RPMs, did almost all OS installs, put in a better monitoring system for all the machines, and troubleshot any and all problems with the web/DB servers or the website as a whole.
- Maintained internal documentation wiki.
- Responsible for PCI compliance on all of the team's machines.

Nth Degree: Lansing, MI/Tempe, AZ — October 2000–February 2008

Programmer/Sysadmin/Scientist

- Wrote a series of Perl and shell scripts to automate validation, processing, and cleanup of several terabytes of XML data. This automation reduced operator time required from 4 hours/day to less than 1/2 hour/day.
- Wrote bind9, exim4, Samba, frox, apache, proftpd, and postfix config files from scratch, put a working sendmail.cf together using m4, and patched linux-utils to allow mounting FAT filesystems by label in September 2003, a month or so before the official maintainer did that.
- Found and fixed over 600 bugs in several programs developed for the document conversion and prepress industries. Also wrote C++ code and small applications where needed to deliver new features.
- Diagnosed and fixed many hardware and configuration problems with minimal information.
- Worked onsite with customers to assess their needs, train operators, and determine where our programs could be improved.
- Administered the Debian and Redhat machines that provided mail, web, FTP, DNS, Samba, and other vital services from 2002 onwards. Also did all tech support from 2005–August 2007.

U of M Business School, Ann Arbor, MI — September 1998–August 2000

Technical Support Shift Manager/Programmer

- Trained over 30 tech-support employees and supervised up to 5 at one time; also wrote large portions of a manual outlining policies and procedures for the workplace.
- Wrote an application in C under Solaris allowing employees and managers to keep track of their schedules, request time off, and cover for people who had requested time off.
- Answered user questions on a wide variety of problems with WinNT/95/98, MacOS 9, and Solaris, both in person and over the phone.

LINUX-SPECIFIC EXPERIENCE and HOBBIES

- Answered over 10,000 user questions touching on all aspects of Linux since January 2000, as reported by http://groups.google.com/groups?as_uauthors=Dances%20With%20Crows
- Found a kernel bug in Tux On Ice and wrote a working patch before the maintainer did.
- Maintained multiple steadily-growing frequently-used MySQL databases since 2001 across multiple machines and architectures, never lost any data.
- Very familiar with RHEL 4 and 5, CentOS 5, various Ubuntus, and all versions of Gentoo from 2002 to now. Used RHEL/CentOS and Ubuntu at work for mail, DNS, apache, Samba, CVS, SVN, Perl/shell scripting, and multiple web-based apps. Use Gentoo at home for its high customizability.
- Familiar with virtualization through Qemu and virtualbox.
- Read and understood Alexander Viro's description of how to get a Linux machine where libc and ld.so had been unlinked back into a working state, without rebooting or using a rescue system. (Also know how to prevent this situation from happening in the first place, by installing sln and sash.)