Stephen Weeks

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Work Experience

IMVU Lead Site Reliability Engineer, Engineering Manager February 2014 - Present
- Leading a site reliability team with 7 direct reports.

- Lead project to adopt ElasticSearch for logging.

- Lead project to take MySQL backups from days down to hours.

- Lead project to migrate memcached into kubernetes.

- Deployed Ceph for Network Storage.

- Diagnosed and fixed networking problems responsible for 5x increase in peak application response time.

Google Site Reliability Engineer, February 2013 - February 2014
- Regular on-call shifts.

- Improved monitoring of stale deployments.

IMVU Sysadmin, April 2010 - February 2013
- On a team of five maintaining a cluster of approximately 700 servers providing service to approximately 100k concurrent users.

- Regular on-call shifts with a 15 minute SLA.

- Wrote new tools in Perl to manage infrastructure and automation.

- Reduced complexity and increased test coverage of configuration management.

- Trained engineers for production access in devops roles.

Guru Labs Instructor, July 2007 - April 2010
- Taught week-long linux sysadmin classes, for Red Hat, IBM, HP, Oracle, and others including fundamentals, network services, troubleshooting, shell scripting, perl, and security.

- Developed courseware for new topics.

- Implemented and maintained Asterisk PBX.

- Produced automation tools to aid courseware and exam development.

Iodynamics Junior Engineer, March 2005 - July 2007
- Iodynamics was an IT consulting firm; I worked on a wide, rapidly-changing variety of projects, including the following:

- Maintained network infrastructure and web, email, and file servers for local small businesses.

- Developed and customized web applications using Apache, mod_perl, PostgreSQL, and PHP.

- Responded to security compromises, including rebuilding the compromised system and providing or implementing recommendations for improved security.

Skills

Programming and Markup Languages
- Proficient with Haskell, Perl, C, bash, regular expressions, SQL.

- Some experience with Rust, Go, Python, Ruby, PHP, JavaScript, HTML, CSS.

Tools and Systems
- Proficient with Apache HTTP Server, Nginx, Haproxy, Varnish, Apache Traffic Server, Ceph, MySQL, Redis, Memcached, Nagios, iptables, OpenSSH, BIND, git, PXE, linux kernel and userland.

- Some experience with Elastic Search, Kubernetes, Docker, Keepalived, SELinux, Auditd, OpenSSL, Postfix, Sendmail, PostgreSQL, NFS, Samba, Subversion, OpenLDAP, Kerberos, SQUID.