

# Stephen Weeks

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## Work Experience

**IMVU** Lead Site Reliability Engineer, February 2014 - January 2017

**IMVU** Engineering Manager, January 2017 - Present

- Leading a site reliability team with 7 direct reports since January 2016.
- 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.