

Jonah Horowitz
San Francisco, CA

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Netflix
Senior Site Reliability Engineer

Los Gatos, CA
April 2015 - January 2017

- Developed a tool (drill-sergeant) that scanned Netflix micro-services for reliability risks and made suggestions for teams to improve their reliability
- Ran our “production ready” micro-services effort, a checklist of important reliability steps for micro-service teams
- Consulted with micro-service teams to drive reliability efforts, including adding monitoring, alerting, deployment practices, application tuning and chaos resiliency
- Lead post-mortem incident reviews to identify root cause and ensure remediation
- Created an “after-incident report” process so single page write-ups of incident learnings could be communicated broadly throughout Netflix
- Participated in oncall rotation and incident response, initial triage, ensuring communication and making sure engineering teams were focused on mitigating customer impact during major outages

Quantcast
Lead Production Engineer

San Francisco, CA
January 2011 - April 2015

- Mentored Quantcast Operations engineers
- Expanded Quantcast’s systems, supporting 10x growth while containing costs
- Managed Quantcast’s capacity planning and budget
- Automated the continuous integration of operating system security updates
- Rebuilt Quantcast’s automated server install system based on cobbler
- Automated the install and operation of Quantcast’s services using puppet
- Managed Quantcast’s relationship with hardware vendors, datacenters and ISPs

Looksmart
Operations Architect & Monitoring Manager

San Francisco, CA
August 2007 - December 2010

- Designed and implemented Looksmart’s new data center, with increased rack density and lower costs
- Overhauled monitoring systems to reduce check latency from 50 sec to less than 1 sec
- Increased monitoring capacity to support 300% growth in monitored servers to over 1000 servers
- Managed Looksmart’s relationship with our outsourced Network Operations Center - including renegotiating our contract to save Looksmart \$150k/year

Gemini Mobile Technologies
System Software Engineer

San Mateo, CA
January 2006 - August 2007

- Owned systems related product subcomponents including functional specification, design, implementation, unit testing and maintenance
- Ensured performance, security, and maintainability in designing and implementing new product features
- Supported QA engineers in developing test plans for fail-over, redundancy, reliability, and performance
- Extended network architecture to include load balancers for greater scalability

MediaMaster
System Architect & Software Engineer

San Mateo, CA
June 2004 - December 2005

Walmart.com
System Administrator

Brisbane, CA
June 2000 - September 2002

Conference Presentations

From Sysadmin to SRE
How Netflix views the Site Reliability Engineer role
<https://www.youtube.com/watch?v=1ZI51YzIgVE>

SCaLE 14x
January 2016

Netflix: 190 Countries and 5 CORE SREs
How does Netflix scale SRE?
<https://www.usenix.org/conference/srecon16/program/presentation/horowitz>

USENIX SREcon16
April 2016

The Cloud Will Not Save You
From your technical debt.
https://www.youtube.com/watch?v=08RsX_BR9Lg

Velocity Ignite 2016
June 2016

Publications

Monitoring with Ganglia
Quantcast case study on metrics scaling and Holt-Winters aberrance detection.

O'Reilly Media
November 2012

Education

University of Cincinnati
Bachelors of Science in Computer Engineering

Cincinnati, OH
June 2005

Technical Skills

AWS, Cloud, CFEngine2, Puppet, Red Hat, CentOS, Ubuntu, Debian, Linux Server Administration, Nagios, Ganglia, Cacti, Smokeping, TCP/IP, BGP Anycast, DNS, Perl, Python, Server and Network Security

References available upon request.