

**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](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.