SEAN R. HURST

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A Passionate Systems Engineer with experience in large scale deployments, supporting global availability and leveraging dynamic scalability to ensure cost effective use of the cloud.

PROFESSIONAL EXPERIENCE

Trimble Navigation / Gehry Technologies., CA

Senior Development Operations Engineer: **March 2015 to Present**

Responsible for builds and deployments for all environments leveraging Jenkins and custom scripts. Provided in depth monitoring of internal and external infrastructure using Nagios, NewRelic and central log aggregation with ELK (Elasticsearch, Logstash, Kibana). Created dynamically scalable environment leveraging Puppet and AWS CLI. Maintained all internal GIT repositories, configured collaborative WIKI (Atlassian Confluence) to allow globally distributed teams to communicate and share ideas.

SupplyFrame Inc., CA

System Operations Manager: **October 2011 to February 2015**

Managed systems operations team for a variety of services on over 300 AWS instances with dynamic scaling during peak load times. Ensured uptime and availability of all products and services. Managed all release schedules and prepared weekly reports to provide insight and exposure to health of architecture and environments. Implemented, performed and maintainted Puppet controlled environment to facilitate rapid deployment of updates and deployments as well as creating a dynamically scaled architecture. Directed puppet infrastructure to facilitate a dynamically scalable environment for all products and services. Provided direction and collaboration on multiple buildouts essential for the improvement and advancement of company directives and goals. Worked closely with team to develop, architect and improve all external and internal environments. Reduced monthly EC2 infrastructure costs by 50% leveraging dynamic scaling, CDN, reserved instances SOLR and Akamai GTM, RMA.

Senior Systems Engineer: **February 2009 to October 2011**

Developed and maintained all internal and external architecture. Managed over 300 servers in both EC2 and CoLo. Provided clear direction on architectural layout and network infrustructure. Increased both uptime and response time across all products and services by leveraging AWS CloudFront, Akamai CDN and Akamai RMA. Managed, supervised and performed all releases. Fine tuned optimized and administered both MySQL and PostgreSQL servers for the specific environments and architecture they supported. Administered over 50 PostgreSQL and MySQL databases. Managed and directed office relocation to new suite and CoLo migration. Developed, maintained and operated all technical aspects of our web presence.

Release Engineer/Systems Administrator: **November 2007 to February 2009**

Managed CVS and Subversion repositories for all products and services. Performed code merges and conflict resolutions on all branches. Created system wide monitoring using custom scripts and NAGIOS monitoring of both internal and external servers. Developed complex scripting to facilitate multiple deployments while preserving site availability and removing impact to end users. Maintained company firewall, network infrastructure, VPN clients and tunnels to Los Angeles Colo. Implemented and maintained company wide NAS, WIKI, iCal server, LDAP and company laptop/computer deployments and installs. Resolved code conflicts, merged code updates. Managed all release schedules, subversion and cvs branches, merging and tagging of all repositories. Developed release procedures and best practices. Maintained office network and VPN. Managed firewall and NAT policies. Provided office support for all technical issues.

ToneFactory Recording, CA

Network Administrator: **December 2003 to November 2007**

Managed a multimedia production facility by providing direction, business development, and multimedia services. This included all elements of the recording process involving digital and analog media production. Worked closely with artists, producers, and industry executives to achieve professional broadcast quality product. Initiated teamwork involving all aspects of the recording process. Management duties include budgeting, scheduling, interviewing talent, and seeking new clients. Maintained financial records for all company related expenditures. Managed all aspects of internal network infrastructure. Designed and maintained secure website for clients to access audio and video material. Implemented FTP and Network Attached Storage (NAS).

QUALIFICATIONS

- EC2, CloudFront, S3, RDS, EBS, Elasticache, Aicache

- Puppet, Maven, Subversion, Ant, GIT

- Jboss, Tomcat, Jamon, Apache, mod_jk, HA-Proxy, Virtual-ip, Heartbeat

- MySQL, PostgreSQL, Lucene, PGPool, SOLR, replication

- OpenX, Talend

- Bash, XML, SQL, VIM, php, Python

- Akamai CDN, GTM, RMA

- Nagios, openNMS, Zabbix, Pingdom, Gomez

- Bugzilla, Jira, Joomla RAID,TCP/IP, DHCP, IPv4, IPv6, POP, SMTP, IMAP

- VPN, NFS, SMB, FTP, HTTP, SSH, Telnet

EDUCATION

- **California State University Long Beach, Long Beach, CA**
  Bachelor of Science
  Physiological Chemistry
  Emphasis in Human Physiology
  Minor in Chemistry