

CHRIS BEHM

2588 S Arlington Mill Dr #H
Arlington, VA 22206
Phone (703) 474-9741
E-mail cjbehm@gmail.com

Experienced devops/systems engineer with 10 years of experience managing critical, 24x7 infrastructure in highly visible companies with a mixture of Linux and Windows stacks.

EMPLOYMENT

Videology

Sr. DevOps Engineer (February 2016-Present)

Lead devops engineer for the adserving platform, consisting of hundreds of haproxy, tomcat and .Net application servers handling billions of requests per month in 5 AWS regions. Part of the overall devops team supporting all of the AWS infrastructure, primarily with Chef and Ansible.

- Mentor and manage the team of devops engineers primarily supporting the adserving infrastructure.
- Redesigned platform deployment to dramatically increase automation, repeatability, reliability, correctness and speed.
- In-depth analysis of aberrant client request patterns, used to drive client integration changes that improved reliability and consistency of the adserving platform and also reducing costs
- Designed and implemented HAProxy mechanisms to provide real-time traffic insight at high resolution without increasing costs that previously took hours to generate.
- Continually refine and evaluate opportunities for reductions in cost or improvements in efficiency, eventually realizing a 30% reduction in platform costs even as traffic increased.
- Architected replacement load balancing infrastructure to unify the adserving edge footprint that also provides more traffic-shaping control and real-time analytics.
- Initial adopter of AWS spot instances in production fleets, as well as initial adoption of spot instances for non-production infrastructure to save 70% of non-prod costs.
- Championed and drove application development to replace fragile message passing based on ActiveMQ with more robust delivery via Zookeeper, completely removing a class of frequent, critical paging events and improving application resilience.

Politico.com

Sr. Systems Administrator (September 2010-2014)

Sr. Systems Engineer (2014-February 2016)

Joined as a systems administrator to run the infrastructure for the Politico.com website, covering Linux/Windows administration of the full stack of application servers (webservers, databases, ancillary systems, etc). Evolved as the role grew to include system/application architecture and application build/deployment elements.

- Maintenance and operation of the full CMS and application stacks and Akamai CDN
- Co-developed and implemented a replacement for the legacy storage backend with no downtime
- Overhauled SQL Server environment to support enhanced DR capabilities

- Part of the team responsible for architecting and implementing support for a 32x concurrent user increase during the 2012 Presidential elections
- Performed technical and architectural evaluation and selection for Politico's new CMS and delivery platform with other key stakeholders
- Implemented the transition from legacy, on-site, mixed Linux/Windows CMS to an entirely new platform running on Linux in AWS
- Created build and deployment automation using Bamboo for applications deployed to AWS OpsWorks and other development environments

Public Broadcasting Service (PBS)

Sr. Systems Administrator (March 2008-September 2010)

Hired to the system administration team following a role with the PBS support services. Deployed and managed a mix of on-premises and VMWare Windows and Linux servers to support the corporate infrastructure.

- Deployment and maintenance of business and broadcast critical systems with stringent availability and recovery requirements
- Administrator for the SQL environment consisting of 3 clusters and 8 ancillary SQL servers with 250+ databases and 700GB+ of data
- Implemented departmental wiki and provide training and documentation in its use
- Deployed and maintain Cacti monitoring system and developed interfaces to monitor 190+ Windows servers, 50+ Linux servers, SAN switches and primary network switches and routers
- Developed and implemented SQL Server 2000 to 2005 migration plan with zero unexpected downtime
- Co-wrote and implemented migration of PBS file server of over 2TB of data from Server 2003 to Server 2008
- Developed and implemented hardware migration plan for PBS Connect systems from IBM blades to HP blades with minimal required downtime
- Developed automated SQL backup verification and notification system to perform daily full test restores on randomly selected databases across SQL environment

EDUCATION

1997-2001 BS Computer Science, Allegheny College

SKILLS and TECH

Infrastructure-as-code

 Chef, Ansible, Terraform

Monitoring and alerting

 Nagios, Splunk, Cacti, Datadog, Graphite/Grafana, PagerDuty

Build/automation tools, workflow

 Bamboo, Bitbucket/git, Jira, Rundeck

Amazon Web Services Technologies

 EC2, SES, IAM, VPC, S3, SNS, SQS, RDS, EC2 Spot, Kinesis streams

Operating Systems

 AWS Linux/CentOs; Windows Server 2000 – 2008R2, familiarity with 2012

Computer Languages

 Ruby, Python, shell script, PHP, Javascript, C/C++, Objective-C, Perl, Java

REFERENCES

References available upon request.