

## **Adam Kosmin**

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### **Braze, Senior DevOps Engineer II: 05/2020 - 10/2024**

- Support Kubernetes clusters across development, staging, and production environments. Focus on cloud-agnostic tooling in order to accommodate both AWS and Azure.
- Perform SRE duties related to monitoring SLIs and troubleshoot core services as needed.
- Script and automate functional testing of core Kubernetes services in order to comply with SLAs and security mandates.
- Extend CI/CD pipelines using Helm, Terraform, and Jenkins.
- Collaborate with teams to drive work related to Kubernetes upgrades.

### **Sailthru, Senior Systems Engineer: 01/2015 - 12/2019**

- Replace legacy Chef stack with Ansible and Jenkins.
- Automate full stack AWS deployments across multiple VPCs.
- Manage 1K+ CentOS servers across datacenter and cloud.
- Design and maintain ELK cluster; focus on document retention.
- Implement site-wide encryption-at-rest using Tang+LUKS.
- Support and optimize core infrastructure services such as Nginx, Kickstart, Sensu, and DNS.

### **Reliant, Senior Systems Engineer: 02/2009 - 06/2014**

- Design and build all aspects of configuration management using Puppet; focus on scalability. [2]
- Support legacy OpenSolaris footprint with a focus on migrating to Debian GNU/Linux.
- Integrate 24/7 monitoring into configuration management infrastructure. [3]
- Replace Nagios with SENSU to improve monitoring.

### **24/7 Real Media, Senior Systems Engineer: 11/2006 - 02/2009**

- Automate 500+ RedHat servers using Puppet.
- Provide 24/7 monitoring of application work flow using Cacti and Nagios.
- Move Operations team over to a proper version control system.

- Manage critical services such as LDAP, NFS, Yum, and DNS across multiple data centers.
- Work with development teams to automate and monitor their deployments.

### **Visual Trading Systems, Linux Systems Administrator: 10/2005 - 11/2006**

- Design highly available messaging solution using Postfix, DBMail, Horde, and Maia MailGuard.
- Support a broad range of production services including Samba, FTP, DNS, DHCP, and CVS.
- Provide virtual hosts as needed via Xen virtualization.
- Replace inefficient documentation practices with ACL-aware web based collaboration tools.
- Overhaul enterprise backup routines of mission critical data.

### **TransactTools, Systems Engineer: 10/2003 - 09/2005**

- Maintain multiple GNU/Linux server farms offering mail, web hosting, and replication services.
- Maintain all firewalls (Cisco, OpenBSD running pf and pfsync).
- Automate and monitor backups of critical server configurations and data.
- Document existing processes, build procedures, and more for disaster recovery purposes.

### **New York Presbyterian Hospital, Senior Systems Engineer: 01/1997 - 05/2003**

- Lead Information Security Officer for Back Office.
- Integrate GNU/Linux into Back Office team for internal services.
- Support mission critical Document Imaging system running on NT 4.0 platform.
- Write various web-based applications for Medical Records department.

### **Etc...**

- Presented "Evolution of Scale" at PuppetConf 2012 [1] and "Puppetizing a Segmented Distribution Network" at PuppetConf 2011 [2].
- Multiple publications in Linux Journal Magazine [3].
- Red Hat Certified Engineer (RHCE) & Linux Professional Institute (LPIC 1 & 2) certifications.

[1] <http://www.youtube.com/watch?v=HRcAAUWpxuo>

[2] <http://www.youtube.com/watch?v=v991Qppt78c>

[3] <http://www.linuxjournal.com/user/801129>