

# Eric Shalov








Sr. DevOps Engineer / Systems Administrator



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(U.S. Citizen)

Certifications	Affiliations	
<p>Redhat Certified Engineer (RHCE)</p> <p>Sun Certified System Administrator (SCSA) Sun Certified Network Administrator (SCNA) Sun Certified Security Administrator (SCSecA) Hewlett Packard HP-CSA (HP/UX) Certified Systems Administrator</p> <p>CompTIA Network+ CompTIA Security+</p> <p>Lucent/Alcatel IND XCSE ("SwitchExpert") certified Zuma Networks / MRV LightReef Switch/Router Certified</p> 		Member, Association for Computing Machinery (ACM)
		Member, Electronic Frontier Foundation (EFF)
		Cloud Security Alliance (CSA-LA)
		Member, Aircraft Owners and Pilots Association (AOPA)
		Member, Federación Mexicana de Radioexperimentadores (FMRE)
		Member, UNIX Users Association of Southern California (UUASC)

Work Experience	
<p>Self</p> <p>May 2017-Present</p>	<p>Independent DevOps contract work, focused on AWS, Linux automation, Graphite metrics, Ansible and Chef-based configuration management.</p>
 <p>Jet Propulsion Laboratory California Institute of Technology</p> <p>Sr. DevOps Engineer NASA Jet Propulsion Laboratory Apr 2016 – Apr 2017</p>	<p>Served in a DevOps engineering role, working under a SF-85P/Public Trust security clearance. Supported a heterogeneous production environment of Oracle Linux (OEL), Redhat Enterprise Linux (RHEL), CentOS, MacOS/X, and Solaris systems based on public and private cloud solutions hosted within VMWare, Amazon Web Services (AWS), Oracle Virtual Machine (OVM), OpenStack, and Docker, with FibreChannel/NetApp and NFS-based storage infrastructure. Developed automated configuration management solution based on SaltStack and custom-scripted configuration database backends. Supported application developers and development environments, as well as legacy flight projects. Managed SELinux-based LDAP-driven systems secured with a mix of BigIP F5, Palo Alto Networks, and iptables/firewalld environments. Utilized monitoring and metrics solutions based on ScienceLogic EM7, ElasticSearch (ELK), and Splunk and tracked tasks via Remedy. Developed improvements to infrastructure and disaster recovery and documented processes and systems in knowledgebase.</p>
 <p>Sr. DevOps Engineer Kabam May 2015 – Apr 2016</p>	<p>Maintained production environment for mobile gaming platform based on Ubuntu Linux servers in AWS (EC2, S3, etc.) and CentOS servers on Azure. Supported developers on MacOS/X and Windows platforms using rapid-deployment Vagrant-based Linux virtual machines. Migrated Splunk cluster to AWS. Supported server environment based on Node.JS, Redis, MongoDB. Automated routine administration tasks with Puppet, Jenkins, and custom scripting in a continuous integration environment based on Perforce and Jenkins. Implemented a monitoring/metrics solution based on Nagios, Graphite, CollectD and StatsD, with SNS-based notifications. Documented processes with Confluence and tracked tasks in Jira.</p>

 <p>Sr. Infrastructure Engineer Demand Media 2013 – 2014 Santa Monica, CA</p>	<p>Worked with a small DevOps team supporting and maintaining hundreds of production Linux servers, both virtual and metal (encompassing multiple datacenters, as well as EC2 VPC's), that serve as the backbone of Demand's web content and commerce network. Supported multiple independent development and QA teams in an environment based on vagrant/VirtualBox and multiple revision-control backends, including Gitlab, Gitorious, and GitHub. Monitored, maintained, and deployed new server architecture with a Puppet-based configuration management solution to support Demand's hundreds of content websites. Maintained Splunk-based clustered log architecture. Mentored other engineers, and documented internal processes via company's Confluence wiki.</p>
 <p>Sr. Systems Administrator Participant Media May 2012 – Jul 2013 Beverly Hills, CA</p>	<p>Adminstrated over 100 virtual Linux servers, based on a mixture of Debian and Redhat Linux. Configured and maintained Icinga/Nagios monitoring, Graphite metrics collection, VPN, and Jenkins automation scripts. Supported web development team in mixed MacOS/Linux environment based on Drupal, SOLR, MySQL, Redis, PHP, and Ruby. Configured and maintained LDAP, NFS, Jabber, Jira and Confluence servers. Consolidated three hosting environments into a single AWS solution based on EC2, S3, RDS, ElastiCache, ELB, Route53, and SQS, with Akamai and varnish caches. Wrote scripts to automate complex AWS-based tasks using scripts and PHP APIs. Advised management regarding systems matters, and coordinated systems resource needs with developers and contractors.</p>
 <p>Senior Systems Engineer (mt) Media Temple Feb 2011 – Jan 2012</p>	<p>Adminstrated a cloud of Solaris and Linux servers as part of a cloud web-hosting solution that provides hosting for over a million domains. Developed monitoring and automation to support over 90 Solaris servers and hundreds of Linux compute nodes. Mentored other sysadmins and deployed new network storage solutions, firewalls, log management, admin. tools, and systems and process documentation. Developed training materials for staff on new internal products.</p>
<p>NC Automation Eng. Vought Aircraft Mar 2009 – Oct 2009</p>	<p>Developed database-driven apps to adapt 3D contour data for the next generation of Boeing 747's from engineering spec data into numerical control programs to drive giant robotic automatic fastener installation systems.</p>
<p>Systems Consultant Independant Consultant Nov 2004 – Mar 2009</p>	<p>Provided corporate training and pre/post-sales technical consulting for UNIX and network security products at numerous multinational companies, including: Banco Nacional de México (Citibank), Volkswagon, S.A. de C.V. (Gedas/T-Systems), Liverpool, S.A. de C.V., América Móvil (Telcel), Iusacell, S.A. de C.V.</p>
<p>UNIX Security Eng. Symark Software Feb 2003 – Oct 2004</p>	<p>Supported and represented UNIX privilege-delegation software on numerous UNIX platforms, including Solaris, HP/UX, AIX, Debian and RedHat Linux, IRIX, and SCO. Installed and configured Solaris-based networks for testing/development purposes.</p>
<p>Validation Engineer Zuma Networks Jul 2001 – May 2002</p>	<p>Served as a hardware/software automated test engineer for a family of developing network switch/router products.</p>
 <p>Network Engineer Alcatel Jan 1999 – Jul 2001 Calabasas, CA</p>	<p>Provided network design, maintenance, and escalation network support to internal engineering groups as well as hundreds of customers based on ATM (1483 and Lan Emulation), Ethernet, Token Ring, FDDI/CDDI, Frame Relay, IPv4, IPv6, IPX, PNNI, SNMP, and Q.2931 on platforms including Solaris, Linux, BSD, MacOS, and Windows. Developed network debug and performance monitoring tools for Solaris, Linux, and VxWorks. Trained engineers and did interoperability testing with Cisco, Lucent, Fore, Nortel/Bay, Cabletron, etc.</p>
<p>System Administrator Warner Brothers Nov 1998 – Jan 1999</p>	<p>Administration and support of WB's IRIX 6.2 and NeXTStep workstations, render farm servers, and shared file servers in an ATM/Ethernet network.</p>

References Available upon Request.