






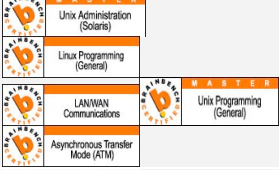




# Eric Shalov

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<http://www.EricShalov.com/resume>

(U.S. Citizen)

Certifications		
	Sun Microsystems	Sun Certified System Administrator (SCSA) Sun Certified Network Administrator (SCNA) Sun Certified Security Administrator (SCSecA)
	Hewlett Packard	HP-CSA (HP/UX) Certified Systems Administrator
	Redhat	Redhat Certified Engineer (RHCE)
	Alcatel-Lucent	Lucent/Alcatel IND XCSE ("SwitchExpert") certified (CCIE equivalent)
	CompTIA	Network+ Security+
	BrainBench	Unix Programming (General) - Master certified Asynchronous Transfer Mode (ATM) certified LAN/WAN Communications certified Unix Administration (Solaris) - Master certified Linux Programming (General) - certified
	StoneSoft (McAfee)	Certified StoneGate Firewall Architect (CSGA) Certified StoneGate Firewall Engineer (CSGE)
	Zuma Networks (MRV)	LightReef Switch/Router Certified
	FCC	General Class License (KJ6ARC) Restricted Radiotelephone Commercial License
	FAA	PP/ASEL + IR, AGI + IGI

Affiliations	
	Member, Association for Computing Machinery (ACM)
	Member, Electronic Frontier Foundation (EFF)
	Member, UNIX Users Association of Southern California (UUASC)
	Member, Cloud Security Alliance
	Member, Aircraft Owners and Pilots Association (AOPA)
	Member, California Pilot's Association
	Member, Federación Mexicana de Radioexperimentadores (FMRE)
	Member, Los Angeles Astronomical Society (LAAS)
	Member, Los Angeles Chess Club

## Work Experience

Independent Consultant Sr. DevOps Consultant (Apr. 2014-present)	Worked closely with numerous private clients, based on their specific individual systems and development needs. Projects included supporting the architecture and infrastructure needs for a Drupal-based customized CMS to support multiple major studio feature film promotion websites, developing a custom embedded printing solution to interface between industrial weight measuring systems and bar-code warehouse tools, supported RackSpace-to-Amazon transition for a major WiFi internet service provider
Demand Media Sr. Infrastructure Engineer (Oc. 2013-Mar. 2014)	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 Media's web content and commerce network. Supported multiple independent development and QA teams in a highly structured, task-managed 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 websites, including eHow.com, LiveStrong.com, Cracked.com. Maintained multi-headed Splunk-based enterprise log architecture. Mentored other engineers and documented internal processes via company's Confluence wiki.
Participant Media Sr. Systems Administrator (May 2012 – Jul. 2013)	Administrated over 100 virtualized Linux servers, based on a mixture of Debian and Redhat Linux. Configured and maintained Icinga/Nagios monitoring, Graphite metrics collection, PPTP VPN, and Jenkins automation scripts. Supported web development team in a mixed MacOS/Linux environment based on Drupal, SOLR, MySQL, Redis, HP, and Ruby. Configured and maintained LDAP servers, NFS file servers, Jabber chat server, NTP, Jira, and Confluence servers. Consolidated three hosting environments into a homogenous Amazon AWS-based environment based on EC2, S3, RDS, ElastiCache, ELB, Route53, and SQS with Akamai and varnish cache. Wrote automation scripts to automate complex AWS-based tasks using command-line and PHP APIs. Advised management, as needed, regarding systems matters, and coordinated systems discussions with developers and outside contractors.
Media Temple Sr. Systems Administrator (Apr. 2011 – Jan. 2012)	Administrated approximately ninety Solaris 10 NFS servers and hundreds of Linux-based computing nodes that drive Media Temple's Debian-based Grid Service platform, hosting approximately a million websites in a Puppet-driven automated configuration management environment. Monitored cluster performance using Nagios, Graphite, SNMP, and Expect scripts. Wrote wiki-based technical documentation. Mentored other administrators and provided support to their virtualized computing environment. Managed hardware replacement workflows with product vendors and worked on high-density storage solutions for new products.
Freelance consultant (Nov. 2009-Jan. 2011)	Software development and systems consulting for a variety of clients in Los Angeles area.
Vought Aircraft Industries CAM C Developer (Mar. 2009 – Oct. 2009)	Developed database-driven 3D graphical computer-aided manufacturing applications to control automated robotic fastener installation systems for machining of Boeing 747-8 fuselage panels in CATIA CAD environment
Systems, Training, and Support consulting services for multiple clients	Taught (in Spanish) UNIX security training classes in various large corporate environments in numerous locations around Mexico. Wrote web-based user management application. Provided on-site pre-sales and

(Oct. 2004 – Mar. 2009)	<p>post-sales product demonstrations/training and support for UNIX-based to security products on AIX, HP/UX, and Solaris platforms.</p> <p>Clients included: Banamex (Citibank), Banamex Seguros Insurance, Telcel (América Móvil), Iusacell/Unefon, Nextel México, Gedas (Deutsche Telekom), U.S. Metropolitan Telecom (Florida), Liverpool Mexico</p>
Symark Software UNIX Security Engineer (Feb. 2003 – Oct. 2004)	<p>Provided Tier 3 support to a wide array of corporate customer environments deploying PowerBroker UNIX privilege-delegation software on numerous UNIX platforms, including Solaris, HP/UX, AIX, Debian and RedHat Linux, IRIX, SCO, NCR UNIX, and QNX. Installed and configured complete Solaris-based networks for training purposes. Developed training program for UNIX-based networked security products. Taught in-office and on-site technical courses. Performed over-the-phone and WebEx-based pre-sales product trainings and demonstrations.</p>
Zuma Networks (subsidiary of MRV Communications) Software Validation Engineer (Jul. 2001 - May 2002)	<p>Served as a hardware/software test engineer for a family of developing network switch/router products. Wrote test plans, executed standard test procedures, and developed automated testing software suite based on Spirent test device products, to execute, track, and graphically report. Validated routing performance, QoS, firewall performance, and MPLS behavior. Additionally, served as software developer for UNIX-based network security products.</p>
Alcatel Network Engineer (Jan. 1999 – Jul. 2001)	<p>Provided network design, maintenance, and escalation support to both internal software and hardware engineering groups as well as hundreds of customers' networks based on ATM (1483 and Lan Emulation), Ethernet, Token Ring, FDDI/CDDI, Frame Relay, IPv4, IPv6, IPX, PNNI, SNMP, and Q.2931 signalling using multiple operating environments including Solaris, Linux, BSD, Macintosh, and Windows. Developed network debugging and performance monitoring tools for Solaris, Linux, and VxWorks. Did interoperability testing with Cisco, Lucent, Fore, Nortel/Bay, Cabletron, and others. Trained new support staff. Developed knowledge base for support and training purposes.</p>
Warner Brothers Feature Animation System Administrator (Nov. 1998 – Jan. 1999)	<p>My responsibilities varied widely during this temp. position, from end-user support to administration and support of WB's IRIX 6.2 and NeXTStep workstations and heterogeneous ATM/Ethernet network backbone. I assisted in development of scripts and procedures for automated backup and archiving with Legato Networker and proprietary backup software. I worked on a team maintaining their Cisco/Fore Systems network while troubleshooting problems down to the Animo/Maya/Lightwave application environment.</p>
Career Strategies, Inc. System Administrator (Apr. 1998 – Nov. 1998)	<p>I administrated a network of SGI, HP, and NT workstations and servers running IRIX 6.4, HP/UX 9.01/10.2, NT 4.0, Win95, NIS/YP and NFS. Included in my regular tasks were performing operating system upgrades and patches as needed, supporting users, handling regular backups using Legato Networker and HP Omniback, and advising management as to systems solutions. I wrote scripts and utilities to support digital ink &amp; paint and automated in-betweening applications including SoftImage Toonz, USAnimation, and MediaPegs. I also set up and maintained the company's internal network, web site and Internet access/firewall solutions based upon Ethernet, FDDI, Linux and Farallon routers.</p>
BlackSun Technologies UNIX System Administrator (Jul. 1997 – Mar. 1998)	<p>Responsibilities include maintenance of RAID storage arrays on Solaris, SCO, and Linux servers, administration of TCP/IP network design and implementation, including NIS management, and Cisco router configuration, user support. I developed HTML/CGI and Java applications</p>

	to interface with SQL server and real-time credit processing software.
Real Estate Communications Services Network Administrator (Apr. 1996 – Jul. 1997)	Responsibilities included management and design/development of internal heterogeneous TCP/IP / Netware/NT T1-voice/data network, development of database applications for information management, development of real-time systems for audio processing/automated voice response applications, and growth of wide-area DS3 network, including telephony hardware/software.
Logix Development Corporation Programmer (Jul. 1995 – Jan. 1996)	Responsibilities included development of MS-Windows applications, LAN-based TCP/IP installations, large database- oriented program development, Novell Netware protocol interfacing, systems research, hardware installation and configuration, C / Assembler coding.

## Languages

English	native speaker
Spanish	conversational
French	can read

## Systems Experience

Linux administration/programming Redhat, Debian, Ubuntu, etc.	Solaris 10/9/8/7/2.6/2.5.1/2.3 Sun Hardware inst. & maint.	Cisco router configuration Network problem diagnosis, packet sniffers
UNIX Scripting in bash, Perl, awk, sed, csh, ksh, Tcl/Tk, expect, PHP Programming	MySQL administration/programming PostgreSQL admin./API, Oracle 8, 9i, 10g, PL/SQL, OCI	Apache/nginx Web server administration
ANSI C, C++ GCC C/C++ Compiler Pthreads threaded coding, GNU dev. tools: autoconf, gmake, etc.	Revision management: Git, svn, cvs, Sun rcs	Intel x86 Assembly programming ARMv7 Assembly Programming
CTI/VOIP with SIP, IAX, SCCP, Asterisk* PBX Admin. & Programming, Dialogic hardware	Router testing, protocol implementations (RIPv2, OSPF, BGP4)	SNMP, Splunk, Nagios, Graphite, network monitoring
DS1 circuit emulation w/ ATM OC-3/OC-12 QoS, FR, ATM LANE	HTML/XHTML, CSS, and JavaScript/JQuery/JQuery-UI	MacOS/X / OpenDarwin
Graphical Visualization: plotting, raytracing, POVRAY, OpenGL	HP/UX 11 / 10.20 Administration	IBM AIX 5L / 4.3.3 Administration
Digital circuit design	FreeBSD administration	SGI IRIX 6.5/6.4/6.3/6.2/6.5 Administration

## Specialize in

DevOps, Technical training, Systems administration, UNIX C Programming (Advanced experience with: BSD Sockets, libbpf, tcclib, libpgclient, libmysql, Oracle OCI, libX11, ncurses, pthreads, openssl, libLAME, libPNG, libjpeg, libgd, openGL, openAL, libsndfile), PHP, XHTML

References available upon request.

Thank you for your time.