Justin Roth

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Skills

- In-depth expertise in Linux(Debian/Redhat/Ubuntu), Solaris, BSD variants, MacOSX
- Computer programming - C, C#, Perl, Python, Ruby, and shell scripting
- Network and NAS administration with Cisco, NetScaler, Foundry, and NetApp
- Datacenter, infrastructure, and systems automation, monitoring, and reporting
- Network security, including firewalls and intrusion detection systems

Professional Experience

2011 - Present: Bank of America - VP - Consultant II - Systems Engineering - Charlotte, NC (Telecommuter)

- Developing and maintaining tools for managing infrastructure data
- Deploying Splunk infrastructure for key supported applications using BladeLogic
- Training operations groups in configuration management technologies (Puppet)
- Infrastructure project reviews, incident response, problem management
- Consulting for mitigation efforts for a wide variety of environments
- Recommending stability improvements for the commercial banking operations groups

2008 - 2011: Oracle (Formerly Sun Microsystems) - Senior Software Engineer, MTS, Platform Engineering - El Segundo, CA

- Tested kernel and device driver level software to support new hardware and standards for Sun's Solaris Operating System
- Developed the SBMC device driver for Solaris on x86 and SPARC architectures
- Worked closely with other team members to verify functionality of Solaris drivers and other kernel-level code for current and next generation products
- Engineering code enhancements and security fixes in Solaris 10, 11, and OpenSolaris
- Integrated open source and third party software packages into OpenSolaris IPS repository
- Part of the team responsible for integrating the OSS (Open Sound System) audio platform and device drivers into Solaris

2006 - 2008: MySpace.com (Fox Interactive Media) - Systems Developer - Santa Monica / Beverly Hills, CA

- With one teammate, managed all NetScaler load balancers and their configurations for the largest website on the internet at the time, on a network pushing 100+ Gb/sec
- Created tools for managing configurations of NetScaler Load Balancers
- Designed a Nagios monitoring infrastructure performing over 20,000 active service checks every five minutes
- Developed Ruby code to update Nagios configurations nightly
- Wrote a Windows Service in C#/.NET to process alerts from monitoring systems, throttle alerts, and create tickets or perform automated corrective actions

2002 - 2005: Chaffee Interactive (ePublishing.com) - Lead SysAdmin - Chicago, IL (Telecommuter)

- Executed growth of infrastructure from 25 to 130 servers
- Maintained ecommerce, online publishing platform and internal resources for a major B2B publishing firm and a Fortune 500 real estate company
- Worked closely with development and executive teams in acquisition of new clients providing ops perspective on client needs, successfully on-boarding more than 10 additional clients
- Coordinated datacenter move from a single-vendor facility to a carrier-neutral facility, saving money on bandwidth costs while improving network performance and redundancy

2002: NETSEC, Inc. - Network Security Analyst I - Herndon, VA

- Performed intrusion detection analysis for the network security operations center at a managed computer security services and consulting company specializing in intrusion detection, managed firewalls, and cryptographic services including VPNs and PKI
- Analyzed data from intrusion detection systems, including ISS RealSecure, Enterasys Dragon, NFR, and Snort
- Evaluated risks posed by suspicious traffic, reported on network activity, and advised customers from government and private enterprise on computer security issues pertaining to their infrastructure
- Used Netcool, Remedy, NeuSecure, and other software to monitor network hosts, services and routers

1998 - 2001: CAIS Internet - Systems Engineer - McLean, VA

- Managed a co-location facility and acted as a technical resource for customers, provided consulting services for co-location and managed server customers
- Built and managed servers running FreeBSD, OpenBSD, Linux, Solaris, NT, and Win2k
- Trained other engineers in network and systems engineering
- Acted as primary sales engineer assisting in determining hardware specifications, software package requirements and other client needs
- Performed all Linux and UNIX systems administration for the Network Operations Center
- Resolved issues relating to Linux and UNIX production servers for mail, news, HTTP, IRC, authentication, and DNS, and resolved problems with DHCP and web servers in hundreds of hotels across the country
- Performed all DNS changes on customer and corporate name servers for over 6000 domains

Education

1996 - 1999 University of Massachusetts (Amherst, MA)
1995 - 1996 George Mason University (Fairfax, VA)

US Citizen; Current Passport, Available for travel