Justin Alexander Roth
Resume: **http://justinroth.org/Justin-Roth-Resume-2023-L.pdf**
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Skills

- In-depth expertise with Linux(Debian/RedHat/Ubuntu), Solaris, BSD variants, macOS, iOS, Android
- Computer programming - Python, Ruby, C, C#, Perl, and shell scripting
- Data center, infrastructure, and systems automation/monitoring/reporting
- Container management (Docker), Configuration Management (Puppet, Chef)
- Cloud computing (AWS, Azure, GCP), Continuous Integration (Jenkins)
- Network security, including firewalls and intrusion detection systems
- Network and NAS administration with Cisco, NetScaler, Foundry, and NetApp

Professional Experience

2022 - 2023: Splunk (Contractor via TekSystems) – TechOps SRE - Alameda, CA

○ Handling incident tickets for customer SplunkCloud deployments

○ Troubleshooting issues and writing software to facilitate handling of incidents

○ Participating in efforts supporting the SplunkCloud Platform, e.g. writing documentation

2022 - 2022: Riot Games (Contractor via IES) – Container Ops - Alameda, CA

○ Responsible for handling emergent tickets for developers on container deployment issues

○ Writing software to facilitate troubleshooting and administration of containers

○ Supporting developers by creating and maintaining documentation for container systems

○ Assisting with migrations between datacenters and container systems

2021 - 2022: Apple (Contractor via Advantis Global) – DevOps - Alameda, CA

○ Responsible for DevOps engineering on the Apple Online Store

○ Troubleshooting issues on services in one of the highest volume online retail operations in the world

○ Creating and maintaining documentation in support of retail engineering groups

○ Assisting various groups with testing and making changes to services

○ Performance engineering for caching services

2020 - 2021: Valis Biosciences, Inc. - Technical Director - Berkeley, CA

○ Responsible for the development, deployment, and maintenance of Valis products and internal processes, and prioritizing business system requirements and implementing solutions

○ Design, implementation, and testing of software applications and/or technical solutions as defined in the requirements and functional specifications

○ Creating and maintaining design documentation in support of software and/or solution development

○ Demonstrating creative thinking and technical problem solving in the development, packaging, and testing of software or solutions

○ Successfully managing multiple projects, stakeholders (e.g., users, customers, clients,) and priorities simultaneously

○ Tracking changes to all modified source code

○ Tracking changes of testing of yet-to-be-released products

2018 - 2020: Uber - Senior Systems Engineer - San Francisco, CA

○ Wrote enhancements to tools for automation of the installation and discovery of the racks, for getting server inventory data, and for validation and remediation of server hardware configuration settings

○ Wrote software to automatically configure BIOS and UEFI settings on vendor-provisioned racks

○ Worked on turn-up projects for 3 new zones in 3 data centers, each in different regions

○ Configured custom NAT servers for various services

○ Troubleshot issues related to incidents in conjunction with the Network engineering team

○ Updated and extensively used Clusto, Uber's configuration management database

○ Wrote and maintained documentation, including runbooks, primarily for operational procedures

○ Served as technical mentor for new hires

2013 - 2018: Citrix/LogMeIn (GoToMeeting) - Staff DevOps Engineer, Platform - Santa Barbara, CA

○ Directly responsible for the health and maintenance of the largest and most resource-intensive parts of shared / common processes between all products

○ Developing and maintaining tools to support higher reliability and cost reduction

○ Developed code that solved long-standing operational problems and allowed the release of HD Cam functionality and browser-based clients

○ Training operations groups in maintenance of internal legacy applications

○ Incident response and reducing mean time to resolution of customer-facing incidents

○ Elected leader of reliability taskforce which identified improvements to operational processes

2011 - 2013: Bank of America - VP - Consultant II - Systems Engineering - Charlotte, NC

○ 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
○ Executed growth of infrastructure from 25 to 130 servers
○ Maintained e-commerce, 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 sales, providing ops perspective on client needs, successfully on-boarding more than 10 additional clients
○ Coordinated data center 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 intrusion detection systems data, 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 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

Amateur Radio Operator (ARRL: KK6ITH)