

## Justin Alexander Roth

Resume: <http://justinroth.org/Justin-Roth-Resume-2023.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
- Troubleshoot 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

- o 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**

- o 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
- o Created tools for managing configurations of NetScaler Load Balancers
- o Designed a Nagios monitoring infrastructure performing over 20,000 active service checks every five minutes
- o Developed Ruby code to update Nagios configurations nightly
- o Wrote a Windows Service in C#/.NET to process alerts from monitoring systems, throttle alerts, and create tickets or perform automated corrective actions

**Prior Positions (additional information available on request)**

**Chaffee Interactive (ePublishing.com) - Lead SysAdmin - Chicago, IL**

**NETSEC, Inc. - Network Security Analyst I - Herndon, VA**

**CAIS Internet - Systems Engineer - McLean, VA**

**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)