Sam Thigpen
UNIX System Administrator
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*Senior UNIX/Linux System Administrator with extensive background in developing environments from the ground up. Enthusiastic technologist geared toward leveraging innovation for efficient results.*

## EXPERIENCE

**UNIX SYSTEM ADMINISTRATOR** for Hardware/Software Labs, Sunnyvale, CA
Nokia, January 2014 - present
. elastic multi-cluster based WAN SIEM development and deployment
. elastic python esl programming for WAN SIEM
. elastic stack troubleshooting and bug fixes
. iSCSI SAN implementation over high bandwidth fiber
. esxi implementation with HA network and SAN
. linux OS hardening implementation and guidance
. system management with ansible
. snmp/rrd based WAN system and network monitoring
. php programming for snmp based monitoring power appliances
. HA proxy setup for mail, dns, web and monitoring services
. postfix mail server, bind9 server, dhcp server deployments
. custom scripting for local linux (CentOS/Rocky/Almalinux, Ubuntu/Debian) repo

TRAINING
Elastic Programming
NetApp Administration

**PROTOTYPE LAB ENGINEER**, Palo Alto, CA
VMWare, April 2013 - September 2013
. Developed Beaglebone Black based remote power control system
. Tuning prototype BIOS on prototype hardware for software development
. Testing prototype hardware including PCIe devices for software development
. ESXi server network configuration
. Hands-on data center administration of a heterogeneous server network including gigabit network, serial, KVM switches and A/C power control devices
. Deployment and administration of USB UEFI/Legacy BIOS bootable linux sticks for system hardware verification and stress testing

**SENIOR UNIX SYSTEM ADMINISTRATOR** for eCommerce, Foster City, CA
IBM, Bay Area Lab (BAL), November 2007 - April 2013
. Migrations and deployments on multi-tiered heterogeneous systems environments
. Planned and executed migration from stand-alone hardware to vmware servers
. Planned deployments for production e-commerce environments requiring 100% uptime
. Developed extensive documentation for 3rd party customer and internal use

. Mentored developers on access to remote development environments, including revision control
. Developed and deployed customer specified automated processes resources
. Deployment and support of CentOS/Redhat Enterprise Linux 200-400 servers
. Deployment of high availability cluster with gfs and HA-linux
. Scripting for support of java/tomcat e-commerce applications
. Network programming and monitoring with snmp
. Built multi-tier network supporting Oracle/RAC

TECHNICAL SKILLS
Operating Systems: Linux (all major flavors), esxi, BSDs, Android, Windows
Virtualization: VMWare vSphere/vCenter, kvm, VirtualBox, docker, OpenStack, RHEV
Monitoring: libreNMS, prometheus, grafana, observium, nagios, cacti
Database: PostgreSQL, MySQL, Oracle/RAC, redis, influxdb
Programming: bash, php, python, perl, gcc

EDUCATION
 B.A. Integrative Arts, Minor in Art History, Penn State University, 1997