

Sam Thigpen  
UNIX System Administrator  
sam\_thigpen@yahoo.com

*Experienced 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, Mountain View, CA

Nokia, January 2014 - present

- . elastic multi-cluster based WAN SIEM development and deployment
- . python and shell scripting for WAN SIEM
- . CentOS/RedHat, Ubuntu 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, web, dns and monitoring services
- . postfix mail server, dhcp server deployments

### 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 sIBM, 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, BSDs, Android, Windows, esxi

Blockchain: ERC-20, NFT

Virtualization: kvm, VirtualBox, OpenStack, RHEV, VMWare vSphere/vCenter

Monitoring: observium, libreNMS, cacti, nagios, graphana

Database: PostgreSQL, MySQL, Oracle/RAC, redis, influxdb

Programming: gcc, unix shell, perl, php, python

CAD/CAM: linuxcnc, gcode, tormach, 3dp

#### EDUCATION

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