

Michael Lustfield

[details redacted – web copy]

POSITION	Information Technology , Linux Server Administrator and Systems Developer	
	Enthusiastic server administrator/developer having experience with companies ranging from Silicon Valley start-ups to large health care organizations and multi-national corporations with strong emphasis on system development, automation, security, maintenance, and engineering	
CAREER HIGHLIGHTS	Taos Mountain , San Jose, CA <i>Technical Consultant / Senior DevOps Engineer</i>	July 2015 – Present
	Taos Mountain (Corporate) <ul style="list-style-type: none">• Helped acquire new business through referrals and business relationships• Managed personal travel arrangements, expenses, and budget Juniper Networks (October 2018 – Present) <ul style="list-style-type: none">• Identified bugs and performance issues in configuration scripts and provided patches• Assisted building a custom configuration management solution• Wrote ansible configuration and supporting scripts to deploy system hardening solution• Followed manual package testing procedures and helped implement automated testing• Wrote integration tests to verify integrity of package modifications• Resolved issues encountered during system hardening process• Assisted internal IT staff and team members with system support Suitable Technologies (July 2016 – August 2018) <ul style="list-style-type: none">• Refactored a patch used to implement a custom user authentication mechanism for Jabberd2• Built custom Debian package for Jabberd2, providing a solution that supported multiple TLS versions• Re-factored entire automation stack; improved maintenance burden, security, and execution time• Constructed new backup solution based on least-access principals• Identified and provided solutions to often-significant security and performance concerns• Wrote new utilities to bridge gaps in existing processes Sony Pictures Entertainment (July 2015 – June 2016) <ul style="list-style-type: none">• Primarily specialized in system automation and hardening• Worked to orchestrate server deployment and hardening processes• Managed system updates for various server operating systems• Deployed and maintained a RHEL Satellite server for repository mirroring and license management• Worked through CIS Security documents and evaluated recommendations• Wrote Chef recipes to apply selected CIS recommendations and to deploy RHEL Satellite server	
	Good Samaritan Society , Sioux Falls, SD <i>Senior System Administrator</i>	February 2011 – March 2016
	<ul style="list-style-type: none">• Deployed and maintained linux servers across more than 300 remote facilities• Managed server software and hardware; working with tape, blade, and SAN configurations• Built server deployment processes, providing fully configured remote servers• Managed McAfee Web Gateway and Web Reporter infrastructure and configuration• Introduced TLS/SSL MitM inspection and AD-based authentication for web traffic• Created a fully automated ESXi deployment system with auto-deployed and encrypted guests• Took charge in disaster recovery situations; constructed and carried out recovery options• Created web-based infrastructure maintaining networking, hardware, and support information• Wrote scripts to scrape and parse legacy MS Office documents for data reuse and web import• Optimized scripts for efficiency with an execution time improvement of up to 4,000%• Provided critical support during many migrations, including MS AD, Exchange, XIV, hardware refresh, etc.• Developed a self-service file-restore application• Deployed and maintained a 5-node multi-master MySQL/MariaDB Galera cluster	
	Kalliki Software , Sioux Falls, SD <i>System Administrator / Website Developer</i>	July 2009 – December 2010
	<ul style="list-style-type: none">• Facilitated interaction between internal and external resources• Audited security and disaster recovery procedures• Implemented system for public announcement of security-related events• Formalized policies regarding system security and management• Developed Drupal modules, themes, and patches• Set up and managed company mailing lists• Worked with clients to develop custom website solutions	

Developer

- Worked closely with teams to build the TRAC suite
- Created USB-based phishing utility used in security audits
- Developed custom mailing list software according to project specifications
- Automated generation of penetration test reports
- Reviewed corporate security models and formalized improvement plans
- Deployed virtual infrastructure efficiently utilize spare resources

EDUCATION

Dakota State University, Madison, SD**September 2006 – December 2010**

B.S. in Business and Computer Information Systems

Specialization: Systems Development

Minors: Networking; Network Security

PROFESSIONAL CERTIFICATIONS

DEVELOPMENT

	Record ID
• SSCE (SaltStack Certified Engineer) [2015]	710C6EC7
• GCP - Professional Cloud Architect (Google Cloud Platform) [2019 – 2021]	xuB2dH
• CITI - Cancer GCP (Good Clinical Practice) [2019 – 2022]	30535844
• CITI - Investigators HSR (Investigator Health Science Research) [2019 – 2022]	30706520
• CITI - IRB HSR (Institutional Review Board HSR) [2019 – 2022]	30535843
• CITI - Cancer HSR (Cancer Health Science Research) [2019 – 2022]	3070617

Presentations

- **"From Chaos to Order" at SaltConf15**
Discussed bringing chaotically managed systems into order using SaltStack

Technical Competencies

Debian, Ubuntu, CentOS, RHEL; SaltStack, Salt-Cloud, Ansible; Google Cloud, Linode, DigitalOcean; MySQL/MariaDB, Redis, Unbound; LUKS, GAAuth, Ferm; IPv4/v6, Cisco iOS, VLANs, VRRP, OpenVPN; Bottle, Flask, Drupal, Pelican; Python, Bash, PHP, COBOL, SQL, VB/C#.Net, Golang; LXC, Proxmox, KVM, ESXi, VirtualBox; Nginx, uWSGI, PHP-FPM, ACME/LE

OPEN SOURCE
/ VOLUNTEER**Avera Oncology Institutional Review Board****February 2019 – Present**

- Served as non-scientific/unaffiliated patient-representative
- Reviewed patient consent forms for completeness, accuracy, and clarity
- Reviewed studies to ensure human subjects were properly protected (Belmont Report)
- Became familiar with industry standards and regulations (FDA, OHRP, HIPAA, etc.)

Debian Linux**December 2009 – Present**

- Obtained 'Debian Developer, uploading' status in 2015
- Maintained packages in Debian repositories (nginx, tdc, gitea, etc.)
- Became 'FTP Masters' member (Mar 2019–Present), reviewing packages for inclusion in main archive
- Reviewed and sponsored packages on behalf of prospective Debian Developers
- Resolved bugs reported in bug tracking system
- Wrote, reviewed, and committed patches to packages
- Uploaded new packages to Debian build system, including backports, and (coordinated) security updates
- Helped verify OpenPGP identities for inclusion in the Debian Keyring

Ubuntu Linux**October 2005 – February 2019**

- Obtained 'Ubuntu Member' status in 2009
- Supported users through IRC support channels and mailing lists
- Assisted in development of infrastructure for Local Community groups
- Worked with Canonical to introduce differentiation between official and community projects
- Developed tools for community-based projects, including Drupal theme and modules
- Contributed content and reviews for the Ubuntu News and Website teams

Nginx Web Server**February 2009 – Present**

- Built, packaged, and distributed the Nginx web server packages for Debian
- Deployed and managed servers and software for the Nginx Wiki and Planet
- Built community projects, support system, and documentation repository
- Served as Group Contact for all Nginx IRC channels on Freenode
- Provided features/patches now included in Nginx source
- Served as a community point of contact