Scott Inan

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PASSIONS

Infrastructure Projects
Automation and Scripting
All things MySQL

EDUCATION

CERTIFICATIONS

QwikLABS AWS Solutions Architect
Associate and Professional
Completed March 2016

Oracle MySQL for Database Administrators
Completed October 2013

CompTIA A+
Completed Aug 2012

VALLEY CHRISTIAN HS

Grad. 1999 | San Jose, CA
AP Computer Science (Sophomore)
Junior System Administrator (97-99)

EXPERTISE

SYSTEM ADMINISTRATION

Ansible • Puppet • Nagios • Cacti
LibreNMS • GroundWork • Samba4
OpenVPN • Spacewalk • Zimbra
McAfee EPO • SSL • Asterisk
Active Directory • NISplus/NIS • DHCP

Operating Systems:
RHEL • CentOS • Debian • Ubuntu
Windows Server (NT-2019) • iOS/iPadOS
MacOS X • Solaris

Virtualization/Cloud:
Xen • ESXi • EC2 • Rackspace • Proxmox

DATABASE ADMINISTRATION

MySQL • MariaDB • Galera
PostgreSQL • Oracle • MS-SQL

SCRIPTING

BASH • Python • Perl • PHP • AHK
PowerShell • VBScript

DEVELOPMENT

PHP • Laravel • CodeIgniter • .NET

EXPERIENCE

SILVACO INC. | Senior Systems Administrator

February 2018 – Present | Santa Clara, CA

- Deployed an open-source H/A Virtualization cluster to replace our main VMWare servers and allow for easier maintenance with less downtime.
- Rebuilt and eventually replaced the entire global authentication network (NISplus).
- Perform systems/network/data discovery for acquisitions and determine an integration plan.
- Determine security issues/implications of both existing systems, acquired systems and new systems and work to find solutions that are secure while meeting the user/groups needs.
- Workflow automation including website deployment, system configuration with Ansible, mac system deployment, user creation and remote site syncs.
- Maintain global backups and data retention utilizing a variety of custom tools created since taking them over.
- Assist DevOps/Marketing with development and databases and provide technical guidance to the rest of the team.

UNIVERSITY OF CALIFORNIA OBSERVATORIES | Information Systems Manager and Administrator

July 2016 – February 2018 | Santa Cruz, CA

- Set up and deployed new storage cluster comprising DRBD, Corosync and MDADM to replace a variety of aging SANs.
- Audited monitoring system, repaired and added needed checks and migrated to Icinga2.
- Architect a virtual core service infrastruction solution to replace all Solaris servers/services and migrate them to either Ubuntu, CentOS or Windows 2016.
- On-site administration, setup and maintenance of Solaris, CentOS, Windows, Mac servers & desktops including POs, inventory management, software installs (i.e. MatLAB, IDL, Solidworks, Ansys, etc).
- Coordinate with vendors (contracts, purchasing, etc.) and with ITS (campus IT group); and maintain documentation of all procedures, projects, automation.
- Work with our student workers to clear away 15 years of detritus and assess our parts stock needs.

SCRATCHSPACE INC. | IT Manager

March 2015 – July 2016 | Santa Cruz, CA

- Conducted in-depth technical analysis of all internal systems (hosted and SaaS) and made recommendations to the CEO to improve workflow and reduce cost.
- Spearhead the cost analysis, feasibility and implementation of moving 80 of our systems to AWS and migrating our infrastructure with minimal downtime or customer impact.
- Design / Quote HA PBXs, Nginx/PHP Webservers and Xen Virtualization clusters for customers.
- Handle billable project management including task assignment, hour/cost tracking and report generation.
- Assess, recommend, cleanup and document IT infrastructure for customers.
- Improved both internal and customer stability and security by overhauling both monitoring (Nagios and Groundwork) and backups (Bacula) as well as performing vulnerability scans with OpenVAS.
- Provide mentoring for System Administrators, Developers and Interns.

OTHER EXPERIENCE

ISO Application Support/MySQL DBA
Fry's Electronics
Jan 2012 – February 2015

OO OTR Driver
Swift Transportation
Sept 2006 - Oct 2010

Tier 2 Tech Support
Cingular Wireless
Oct 2004 - Aug 2006

Computer Technician
Noah's Ark Pet Styling
July 2001 - Sept 2004

IT Manager
Excelsior Manufacturing
Aug 1999 - July 2001

REFERENCES

PROJECTS

CLUSTERED VIRTUALIZATION | PROJECT LEAD
Silvaco Inc.
Utilizing decommissioned engineering servers as nodes and storage we built a Proxmox High-Availability Virtualization Cluster which allows for higher uptime, less maintenance windows. As we continue to expand this cluster (both through new and decommissioned hosts) our ability to respond to quick requests for a large amount of compute/memory depends less on purchasing new systems for specific projects.

STORAGE AND DATA DEDUPLICATION | PROJECT LEAD
Silvaco Inc.
Tested various different solutions both paid and free; due to the needs of our users we settled on ZFS on Ubuntu with a significant amount of memory to allow us to deduplicate over 110T of data down to 40T and soon will be upgrading from mechanical disks to all-flash.

CROSS-PLATFORM SSO | PROJECT LEAD
University of California Observatories
Enhancing existing Windows and Mac SSO (via AD) by adding CentOS 6/7 servers via winbind and sssd respectively, and setting up IDMU temporarily as we work to migrate processes off NIS domain.

NETWORK ACCESS CONTROL | PROJECT LEAD
University of California Observatories
Setting up NAC utilizing openNAC, Foundry switches and multiple VLANs.

MYSQL AUTOMATION | SOLO
Fry's Electronics
Utilize scripting working towards easy maintenance of all MySQL accounts, security as well as automation of backup jobs, backup integrity checks and tuning checks.

DATA WAREHOUSE MIGRATION | TEAM MEMBER
Fry's Electronics
Migrate data warehouse from Oracle to MySQL including automated jobs, stored procedures and backup jobs.