

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 • DNS • DHCP

Operating Systems:

RHEL • CentOS • Debian • Ubuntu
Windows Server 2008 R2 • 2012 R2
MacOS X • Solaris

Virtualization/Cloud:

Xen • ESXi • EC2 • Rackspace

DATABASE ADMINISTRATION

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

SCRIPTING

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

DEVELOPMENT

PHP • Laravel • CodeIgniter • .NET

EXPERIENCE

UNIVERSITY OF CALIFORNIA OBSERVATORIES | INFORMATION SYSTEMS MANAGER AND ADMINISTRATOR

July 2016 – Present | 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 (Nagios and partial Icinga migration), repaired and added needed checks - currently completing migration to Icinga2.
- Architect a virtual core service infrastructure solution to replace all Solaris servers/services and migrate them to either Ubuntu/CentOS/Windows 2016 AD (i.e. NIS -> AD, DNS -> AD, MatLAB -> CentOS, HTTP -> Ubuntu, etc.)
- 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.
- Improved workflow by moving chat to Slack and IT task management to Asana.
- 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.
- Perform both off and on-site maintenance and deployments for local customers utilizing Active Directory including updates, security, VPN maintenance, etc.
- 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.

FRY'S ELECTRONICS | ISO APPLICATION SUPPORT/MYSQL DBA

Jan 2012 – February 2015 | San Jose, CA

- Linux and Windows Administration of a 700 server environment across the United States and provide remote desktop support across 35 locations.
- Lead DBA for all MySQL databases with responsibilities including disaster recovery, point in time recovery, database security and advanced optimization.
- Automate processes using scripting (bash) and Puppet, develop / deploy apps like Spacewalk, Samba 4 AD DC, the current HA Zimbra cluster, and co-developed DNS/DHCP and switch/server inventory PHP web app.
- Worked with the EDI Administrator to troubleshoot issues and develop a new EDI application to display the records from the existing application server in a more readable format.
- Maintain documentation for existing systems and processes for Corporate IT and remote technician and provide in-depth training for both System Administrators and Desktop Support.

OTHER EXPERIENCE

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

AVAILABLE ON REQUEST

PROJECTS

CORE SERVICE VIRTUALIZATION | PROJECT LEAD

University of California Observatories
Replacing all core services servers (mostly Solaris SPARC servers) with VMs on 2 redundant Xen vhosts (with 2 redundant ESXi hosts for any Windows VMs needed).

STORAGE CLUSTER | PROJECT LEAD

University of California Observatories
Replace existing SANs with 2 1U servers with RAID chassis so as to increase both speed and to add redundancy to our storage solution. DRBD, Corosync, MDADM on Ubuntu 16.04 LTS used.

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.

ZIMBRA EMAIL (OPEN SOURCE) | PROJECT LEAD

Fry's Electronics
Migrate 2600 users from SquirrelMail to Zimbra and streamline email environment from 27 servers to 9.

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.

SAMBA 4 AD AND WINDOWS 7 | PROJECT LEAD

Fry's Electronics
Deploy SMB4 Active Directory as individual trees (store and corporate) to better address workstation security and coordinate Windows 7 deployment.

DATA WAREHOUSE MIGRATION | TEAM MEMBER

Fry's Electronics
Migrate data warehouse from Oracle to MySQL including automated jobs, stored procedures and backup jobs.

SPACEWALK MIGRATION/UPGRADE | TEAM MEMBER

Fry's Electronics
Migrate DB from Oracle to PostgreSQL, upgrade to Spacewalk 2 and add CentOS 6 kickstart profiles.