

Sassan torabkheslat

LINUX SYSTEM ENGINEER AT ZITEL · SENIOR LINUX ENGINEER

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“There is nothing noble in being superior to your fellow man; true nobility is being superior to your former self. –Ernest Hemingway–”

Summary

I'm Sassan torabkheslat, living in Tehran, Iran working on Unix like environments since 2005, and have experiences with RedHat Enterprise Linux (RHEL), Community Enterprise OS (CentOS), Debian, Ubuntu, Solaris, FreeBSD

I'm working as a Linux/DevOps/SysOps Engineer from junior level to Medior level in various companies and various situations, Years of experience working in high-stress environments and with an expert network of friends and colleagues in this field.

Work Experience

ZiTel, Farabord Dadehaye Iranian

Tehran, Iran

SENIOR LINUX SYSTEM ENGINEER

Dec. 2017 - Now

- Design and Implement many services based on company needs
- Implemented few API microservices in C++ , Golang , Python.
- setup Cache Server for apple and PlayStation update streams
- Implement CG-NAT with NFF-Go on DPDK
- Develop ACS-Server (with C/C++ and gSoap) to handle (and provision) more than 90K CPEs simultaneously.
- Implement microk8s for Orchestrating our microservices.
- Monitoring and Provisioning CPE devices via tr-069 protocol
- Automate many repetitive tasks by scripts (with python, bash and Ansible)
- Use Gitlab, Git Hooks for Continuous Integration and Continuous Delivery (CI/CD)

ZiTel, Farabord Dadehaye Iranian

Tehran, Iran

MEDIOR LINUX SYSTEM ENGINEER

Dec. 2016 - Nov 2017

- Using Redhat-Ovirt as virtualization platform
- Deployed a centralized monitoring environment(Grafana, Zabbix , ICinga2) which gather performance metrics from over 90K customers and Network Equipment.
- Setup Distributed Monitoring System with Zabbix backed with timescaleDB (more than 33K hosts and 1.6M items with 3850.19 nvps)
- Setup integrated Identity and Authentication RedHat FreeIPA and integrate with Microsoft Active Directory
- Setup Opensns servers to serve more than 120,000 request per seconds on BSD (Unbound) and Linux
- Use Gitlab, Git Hooks and Jenkins for Continuous Integration and Continuous Delivery (CI/CD)
- Setup Mail Services (Postfix,Dovecot) and troubleshooting serious problems
- Setup cluster/shared filesystem with glusterfs, NFS
- Support and Setup multiple websites and Databases for our needs

TookaSoft (Rightel Contractor) - Parttime

Tehran, Iran

JR. LINUX SYSTEM ADMINISTRATOR

May. 2014 - Oct. 2016

- Maintain and Support Systems and services as the second layer
- Setup Monitoring Systems like Zabbix to monitor and provision server/service needs
- Kernel optimizations for high load services (12K L7 concurrent request , 22K L7 req/sec , 524K connection track)
- Setup Varnish (HTTP accelerator) in front of HaProxy load balancers for balancing request between web servers to decrease visitors pressure on web server (about 80% hit ratio)
- Setup Oracle Database 12c (in Standalone) as OCS and provisioning Database - Backup node
- Setup and maintenance Oracle Service Bus (OSB) in clustered environment as part of OCS system
- Apache/Tomcat/Mysql ...performance tuning for high load services
- Solved technical problems in high-pressure situations as the primary escalation point for high-priority, complex issues and outage recovery
- Implemented security policies, monitored unusual traffic patterns, bandwidths, and vulnerabilities.
- Design and Implement DNS Round-Robin Load-Balancing For Portal High-Availability
- Installed Servers for Web Development and Database Replication using Apache/Percona XtraDB (Mysql)/Galera
- Design and implement High Availability (HA) clusters using shared file systems, HaProxy, Pacemaker.
- Setup Cluster File Systems for shared storage on SAN (ocfs2)
- Container base virtualization for Apache Web Server.

HamiSystem(MCCI Contractor)

Tehran, Iran

JR. LINUX SYSTEM ADMINISTRATOR

Apr. 2014 - Sep. 2016

- Maintain and Support Systems and services (24*7)
- Setup Monitoring Systems like Zabbix / Zenoss to monitor and provision server/service needs
- Design and install Solaris/Linux (Sparc/x86 64)
- Kernel Customization to enable/disable needed features (such as OCFS2 on CentOS 6.4)
- Setup Varnish (HTTP accelerator) in front of clustered web servers to decrease visitors pressure on web server (about 80% hit ratio)
- Solved technical problems in high-pressure situations as the primary escalation point for high-priority, complex issues and outage recovery
- Implemented security policies, monitored unusual traffic patterns, bandwidths, and vulnerabilities.
- Created Automated Provisioning and update processes using integrated OS Tools
- Installing, Configuring, Managing, Monitoring different kind of servers and services (DNS, MAIL, WEB, FIREWALL, LXC, ...)
- Installed Servers for Web Development and Database applications using Apache/Mysql
- Experienced in system Security using ACL and RBAC
- Mysql/MariaDB Clustering (Mult Master Replication)
- Setup Mail Services (Postfix,Dovecot) and troubleshooting serious problems (100 msg/sec)
- Designed and implemented High Availability (HA) clusters using shared file systems, HaProxy, Pacemaker.
- Setup JEE Clustered Services based on Jboss Application Server and Tomcat
- Experience in Security Hardening in UNIX, Linux
- Setup Cluster File Systems for shared storage on LUN-SAN (ocfs2, gfs2, LVM, multipath)
- Setup Portal Search Engine Based on apache Solr
- Exposure on Performance using Load Runner JMeter, ab on Mail, REST and SOAP Webservice, HTTP Web, Database
- Kernel/Apache/Jboss/Tomcat/Mysql optimizations for high load services (12K L7 concurrent request, 22K L7 req/sec, 524K connection track)
- Setup Firewall based on Linux (Debian wheezy) and BSD (Pfsense) to protect and load-balance traffics (using Haproxy) between back-end servers

Bidotis - CVak

Isfahan, Iran

JR. SYSTEM ENGINEER

May. 2013 - Feb. 2014

- Maintain and Support Systems and services (24*7)
- Write few bash scripts to automate repetitive tasks
- Setup Solr and LAMP
- Setup Monin to monitor Servers
- R&D On Varnish
- R&D On SELinux
- R&D On iptables
- Documentation

Education

Jahaad Daneshgahi Institute of Technology

Isfahan, Iran

B.S. IN COMPUTER SCIENCE AND ENGINEERING

2011 - 2013

- Difference between virtualizations models (Full vs paravirtualized vs OS level)Thesis advisor: MohammadReza Moslehi

Shahid Chamran University of Ahvaz

Ahvaz, Iran

ASSOCIATES DEGREE, SOFTWARE ENGINEER

2009 - 2011

- Develop Chain Store Sale System in Java (JSP)Thesis advisor: Hamid Saadi

Certificates

Linux Professional Institute ((LPIC-1) (LPIC-2)) , Suse Linux Enterprise 12 - Certification ID: 10199701

Tools and other skills

- ZABBIX
- GRAFANA
- ICINGA2
- NAGIOS CORE
- POSTFIX
- DOVECOT
- MICROK8S
- KUBERNETES
- GIT/GITLAB
- GALERA
- GLUSTERFS
- TERRAFORM
- REDIS
- SELINUX
- VARNISH
- PACEMAKER
- RESTAPI,JWT
- HAPROXY
- IPTABLES
- JBOSS,TOMCAT
- OPENVPN
- JSON
- GSOAP
- JENKINS