

# torabkheslat **Sassan**

LINUX SYSTEM TEAM LEADER AT ZITEL · SR. 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

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I'm Sassan torabkheslat, living in I.R.Iran-Tehran experiencing Unix like OSes since 2005, and have experiences with RedHat Enterprise Linux (RHEL), Community Enterprise OS (CentOS), Debian, Ubuntu, Solaris, FreeBSD

I'm Working As Linux Engineer from junior level to Senior level in various company and various situations, Years of experience working in high stress environments and with an expert network of friends and colleagues in this field. Here is some of main aspects of IT that I've studied and worked in includes:

- Linux OS Administration
- Web servers (Apache)
- Databases (MySQL, MariaDB, Memcache,...)
- Application Servers (JBoss, Websphere, Weblogic,...)
- Mail servers (Postfix, Dovecot, courier)
- Virtualization (KVM, Ovirt, VMware ESX,...)
- Monitoring Solutions (Zabbix, Cacti, Nagios, Icinga, ....)
- Container Orchestrator (Kubernetes, OKD)
- OS Hardening and Optimization (Redhat, Ubuntu, Debian)
- Develop Customized modules in C/C++ for performance improvement
- Kernel optimizations for high load servers
- Design HA and LB solutions for different kind of services

## Work Experience

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### Magfa , MIMT Contractor

Tehran , IR.Iran

SUPPORT ENGINEER - PARTTIME

Jun. 2019 - Now

- Setup Monitoring System based on Zabbix
- Design High Performance WebServers , Databases , Virtualization platforms
- Support and Setup multiple websites and Databases for our needs

### ZiTel, Farabord Dadehaye Iranian

Tehran , IR.Iran

LINUX SYSTEM TEAM LEADER

Dec. 2019 - Now

- Design and Implement various systems
- Setup Virtual Datacenter by Redhat-Ovirt
- Leading group of 4 Mid-Level System administrators
- Implemented few API microservices in C++ , Golang , Python.
- setup Cache Server for apple and PlayStation update streams
- Implementing ZiCloud (A private cloud platform for internal services)
- Deployed a centralized monitoring environment(Grafana, Zabbix , Icinga2) which gather performance metrics from over 90K customers and Network Equipment.
- Implement CG-NAT with NFF-Go on DPDK
- Write ACS Server (with C/C++ and gSoap) to handle (and provision) more than 30K CPEs simultaneously.

### PFM , Pars Fanavaran Mobtaker (PFM)- Medu Contractor

Tehran , IR.Iran

DEVOPS ENGINEER - PARTTIME

Oct. 2018 - Now

- Setup Monitoring System based on Zabbix
- Design High Performance WebServers , Databases , Virtualization platforms
- Support and Setup multiple websites and Databases for our needs

## ZiTel, Farabord Dadehaye Iranian

Tehran, IR.Iran

### LINUX SYSTEM ENGINEER

Dec. 2016 - Dec. 2019

- Setup Distributed Monitoring System based on Zabbix (more than 800 hosts and 400k items)
- Setup integrated Identity and Authentication RedHat FreeIPA and integrate with Microsoft Active Directory
- Setup Opendns servers to serve more than 120,000 request per seconds on BSD (Unbound) and Linux
- Monitoring and Provisioning CPE devices via tr-069 protocol
- Setup Virtual Datacenter by Redhat-Ovirt
- Setup Mail Services (Postfix,Dovecot) and troubleshooting serious problems
- Support and Setup multiple websites and Databases for our needs

## Rightel Contractor (Portal)

Tehran, IR.Iran

### LINUX SYSTEM ADMINISTRATOR

May. 2014 - Oct. 2016

- Maintain and Support Systems and services as 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 applications using Apache/Mysql
- Design and implement High Availability (HA) clusters using shared file systems , HaProxy , Pacemaker.
- Mysql/MariaDB Clustering (Multi Master Replication)
- Setup Cluster File Systems for shared storage on SAN (ocfs2)
- Container base virtualization for Apache Web Server.

## Mobile Communication Company of IRAN

Tehran, IR.Iran

### 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 etc.)
- Configure Linux servers to access SAN and NFS
- 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 SAN (ocfs2 , gfs2)
- 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)

## Education

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### Jahaad Daneshgahi Institute of Technology

Isfahan, IR.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, IR.Iran

#### ASSOCIATES DEGREE, SOFTWARE ENGINEER

2009 - 2011

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

## Certificates

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LPIC-1, LPIC-2

Suse Linux Enterprise 12 - Certification ID: 10199701