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**Skills: Sr. DevOps Engineer** +1 469 846 8345

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**PROFESSIONAL SUMMARY**

* Over 11 Years of proven Specialized IT experience in designing, implementing and managing physical, virtual, cloud and container infrastructures.
* hands-on experience supporting, automating, and optimizing mission critical Application development and deployments in VMWARE and AWS, leveraging configuration management, CI/CD, and DevOps processes.

**Technical Skills**:

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| **System Administration** | RHEL, OEL, ubuntu, CentOS, Solaris and Windows servers. |
| **Virtualization** | VMware ESXi, KVM, ovirt and oracleVM |
| **Backup Environment** | Symantec Backup/ Veritas Net Backup, Evault backup |
| **Cloud Computing** | Amazon Web Services, Openstack , GCP and Azure |
| **Databases** | MySQL, PostgreSQL, Oracle DB, ElasticSearch (NoSQL) |
| **Hardware** | HP ProLiant DL 580, Dell PowerEdge R710, R610, R620, Fujitsu BX400, Fujitsu BX 920, Fujitsu BX924, Fujitsu RX500 |
| **Data Center Operations** | Remote Infrastructure support, System Administration of various Operating Systems and Datacenter migration. |
| **Web/Application Servers** | Apache, Apache with JBOSS Cluster, LAMP and Grid Director |
| **Storage** | Dell EqualLogic, NetApp and Hitachi |
| **File Servers** | FTP, NFS and SAMBA |
| **Version Control** | SVN, Git |
| **Build Tools** | Ant, Maven, Terraform, Vault, Packer, Manage Engine |
| **CI and CD tools** | Jenkins, Bamboo |
| **Configuration Management** | SaltStack, Ansible and Puppet |
| **Monitoring tools** | Nagios, Groundworks, CFG2, HTML, Splunk , SolarWinds and xymon |
| **Other tools** | JIRA and ServiceNow |
| **Programming** | Bash, python |

**PROFESSIONAL EXPERINCE**

**Sr. Systems/DevOps Engineer**

**AT&T, Dallas, TX** **December 2018 – Till date**

**Responsibilities:**

* Planning, configuration, deployment and support production environments on Physical, VMware, cloud and container environments.
* Architecting, implementing and automating infrastructure build using terraform, Ansible, GitLab, packer and hashicorp vault in VMWare and AWS cloud.
* Implemented CICD pipeline for server builds using Jenkins.
* Using terraform as infrastructure as code implemented a consistent CLI workflow to manage hundreds of cloud services such as EC2 instances, VPC, Security groups, IAM, S3, EFS, ECS, ECR and EKS etc.
* Automated the creation of machine images like VMware templates and AWS AMI for simplifying infrastructure builds.
* Migrating services to GCP .
* Implementing the CICD pipeline in jenkins to deploy instances in GCP projects.
* Troubleshooting the instance performance issues by detailed log analysis.
* Implemented Vault service to secure, store and tightly control access to tokens, passwords, certificates, encryptions keys for protecting secrets and other sensitive data using UI, CLI and HTTP API.
* Using ansible as Configuration management tool deployed the application and web server configurations as part of infrastructure build.
* Implemented GlusterFS the opensource scalable network filesystem to store Terabytes of file server solution for Storing files.
* Containerizing various applications and orchestrating containers using Kubernetes.
* Enabling and maintaining GitLab container registry to images.
* Change control and incident management of upgrades, patching, hardware error using ServiceNow.
* Performing on-call duties and providing 24\*7 support for production environment and fixing production issues under SLA to minimize the customer impact.

**Environment:** Centos 6.x/7.x/8.x, VMware vSphere, oVirt(KVM), GlusterFS, Dell PowerEdge Servers, JIRA, Docker containers, Kubernetes, AWS, GCP, Packer, Terraform, Jenkins, Vault, GitLab, SolarWinds, 3PAR, Orion, Ansible.

**Sr. Systems/DevOps Engineer**

**Verizon Digital Media Services**, Los Angeles, CA **December 2016 – December 2018**

**Responsibilities:**

* Perform planning, configuration, deployment and maintenance work associated with the production environments, supporting 10,000+ Linux servers globally.
* Building 300+ servers in each datacenter and in expansion to the current datacenter to support, improve CDN network and its performance.
* Performing Security patching and ubuntu OS upgrades on thousands of servers.
* Worked on Salt-Stack Configuration Management tool. This includes Master and Minion set up and configuring Minions, Create, Update and modify Salt Formula and push them through GIT.
* Experience on deploying servers using FAI as an Automated unattended installation and iPXE on Bare Metal servers across the world.
* Troubleshooting and investigate service issue as it relates to system hardware, Operating system, and attached network services and protocols (HTTP, TCP/IP, UDP, FTP etc.).
* Worked on Linux OS, internals, Kernel & file systems tuning, protocols and services (PXE, DNS, HTTP, NFS, CIF) and troubleshooting using utilities (**strace, sar, vmstat, mpstat** and **tcpdump**)
* Strong knowledge in designing and implementing VLANS and network design in the entire infrastructure.
* Developed Bash, Python programs to automate and speed up datacenter deployments and decommissions.
* Worked on changing servers’ configuration in salt code and pushing the changes through GIT and Continuously integrating using Travis CI.
* Actively participate in evolving design and architecture of infrastructure automation, release tools and processes.
* Network configuration and troubleshooting network communication issues in Juniper switches.
* Experience in designing workflow and using Rest-API for automated server provisioning and several repeated tasks.
* Implemented Dev, QA environments in AWS using VPC, EC2, Security Groups, ELB, Auto Scaling, IAM and S3.
* Implemented Dynamic cloud infra with Packer, terraform, Salt Stack and Jenkins.
* Worked on creating Docker containers and Docker consoles for managing the application life cycle and setting up the automated build on Docker HUB
* Worked on many datacenter maintenances across globally, including monitoring servers and in low traffic time upgrading servers.
* Worked on bringing up OpenStack instances for internal projects using terraform.
* Experience on deploying CDN Clusters in different server regions.
* Monitoring servers using ELK/Nagios.
* Support for Live/On-Demand configurations utilizing various streaming technologies.
* Customer service notification/resolution/updates/ticket queue monitoring.
* Change control and incident management of upgrades, patching, hardware error using ServiceNow.
* Project/Bug tracking using JIRA.

**Environment:** Ubuntu 12.04/14.04/16.04, KVM, Dell PowerEdge Servers, JIRA, Docker, AWS resources, Packer, Terraform, Jenkins, Travis CI, ServiceNow, OpenStack, Juniper switches and routers, SVN, Git, Salt stack, Nagios, ELK.

**Sr. Systems/DevOps Engineer Nov 2015 – Dec 2016**

**Bitstew Systems Inc,** Canada

**Responsibilities:**

* Infrastructure design and implementation for Grid Director application in AWS cloud.
* Infrastructure setup in AWS Virtual Private Cloud.
* Linux and windows instances deployment using EC2 instances.
* Configured Security groups and Network Access Control lists (NACL).
* Instance Setup and storage allocation, snapshot etc.
* Secure VPN tunnel creation between AWS and In-house data center.
* Assigning EBS volumes to the instances to create mount points on the servers.
* Creating the VPC’s (Virtual Private Cloud) which includes private and public subnets and adding routes to the route tables.
* Taking AMI’s for instances both hot and cold.
* Worked on AWS resource like EC2, EBS, ELB, Security Groups and NACL, S3, IAM, RDS, Autoscaling etc.
* CentOS server user management, Storage management using LVMs,
* Secured the server access using server hardening secure practices.
* Configuration and troubleshooting Elasticsearch cluster.
* Configured ELB to manage the traffic between application and Elasticsearch DB cluster node.
* Performed upgrades form Elasticsearch cluster from version 1.4 to 1.7.
* Installation and configuration of PostgreSQL database.
* Worked on analyzing, troubleshooting and administration of Elasticsearch cluster performance.
* Evaluated GridDirector application performance on different OS platforms.
* Automated the deployment process using Ansible, Git and Jenkins.
* Extensive experience using Maven and Ant as build tools for the building of deployable artifacts (jar, war & ear) from source code.
* Developed build and deployment Scripts MAVEN as build tools in Jenkins to move from one environment to other environments.
* Hands on experience and using JIRA for issue tracking and bug tracking.
* Optimizing the performance of the application by modifying java heaps of tomcat containers.
* Worked on Linux performance tuning by tuning kernel parameters and optimize the server performance.
* Troubleshooting network issues between Elasticsearch cluster nodes.
* Implemented shell script to perform backup and restore between different environments as part of the Disaster recovery planning.
* Involved with the client and Deployment teams in trouble shooting and fixing day-to- day problems of the applications in production on 24/7 schedule.

**Environment:** Amazon Web Services**,** EC2, EBS, ELB, Autoscaling, Security groups, CentOS 6.5/7, windows, Grid Director, Elasticseach-1.7 (No SQL database), git, JIRA, SolarWinds, tomcat, ansible and Jenkins

**Sr. Systems Engineer**

**Nuemera PCBS, Malaysia**

**OSI consulting Pvt Ltd, Hyderabad Jan 2014 – Nov 2015**

**Responsibilities:**

* VMware Infrastructure vSphere 5.1 Installation & Configuration.
* Installation, Configuration and maintenance of Hosted VMware products.
* Design, Implementation, Testing and Deployment of VMware Infrastructure.
* Installation, Configuration and Administration of VMware VSphere5, VMware View.
* VMware vSphere client, Virtual vCenter Server.
* Virtual Networking configuration and troubleshooting (Virtual Switches, VM Kernel Ports)
* Virtual Storage (Access Control and VMFS Data stores) configuration and management.
* Creation, Management and Configuration of Virtual Machines, Clone and Templates.
* Customizing guest operating system on Virtual Machines.
* Created DRS and Custom roles for users and Administrators
* High availability, Clustering, vMotion, Storage vMotion.
* Server Consolidation with VMware Converter (P2P and P2V Conversions)
* Snapshot manager and restoring a snapshot.
* System Administration-Managing Users, Groups, Roles and Access Permissions.
* Setting up and monitoring performance monitoring and capacity planning.
* Hands on experience on SRM configuration.
* Managing Tasks, Events and Alarms
* Installed OEL 6.3 on VMs.
* Configuring the private repository for accessing the packages with YUM.
* Creation of new users, groups, user passwords, changing passwords, managing user accounts and locking users and managing password aging policies.
* Setup SSH password less login in OpenSSH.
* Configuring the LVMs and adding the additional disk space as and when required.
* Prerequisites verification before go-live like rpm's, creation of users, compilations, oracle prerequisites, tuning kernel parameters, setting users limits.
* Performing on system backups, file replications, script management for server and Media usage.

**Environment:** Dell PE servers, OEL 6.3, Hitachi HUS 130, Symantec NetBackup, VMware vSphere 5.1, HA, DRS, SRM, VCenter Servers, Apache, MySQL and PHP.

**Sr. Unix Systems Engineer**

**Yamaha Music Interactive America**

**OSI consulting Pvt Ltd, Hyderabad July 2013 – Nov 2015**

**Responsibilities:**

* Infrastructure design and setup on AWS Virtual Private Cloud
* Linux and Windows Virtual Machine Setup on AWS.
* Instance setup and storage allocation, snapshots etc.
* Secure VPN Tunnel creation between AWS to In-house Data Center.
* Creating Cloud Formation scripts to launch AWS resources in a single click.
* Launching new instances using Amazon Machine Images (AMI’s) includes RHEL, OEL, and Windows Servers.
* Assigning EBS volumes to the instances to create mount points on the servers.
* Selecting the appropriate Instance types while launching the servers.
* Launching the Instances in both public and private subnets and assigning EIP’s to the Instances if required.
* Creating the VPC’s (Virtual Private Cloud) which includes private and public subnets and adding routes to the route tables.
* Creating security groups.
* Providing access to the servers by adding specific ip’s to the security groups.
* Taking AMI’s for Instances both hot and cold.
* Taking Snapshots of the EBS volumes.
* Working with AWS support team for Network related issues and VPN related issues.
* Worked on major other products like S3, IAM, RDS.
* Installation on AWS CLI tools on the servers.
* Creating IAM users and attaching the users to specific policies.
* Creating the S3 buckets, objects and providing the permissions to access the buckets.
* Installation of Openvpn server and then providing access to the users to connect to servers.
* Launching the RDS instances and providing the access to the RDS instances.
* Migrating the VM’s from In-house environment to AWS.
* Creating File system, partitions for EBS volumes and mounting them on mount points.
* Creating LVM’s for partitions.
* Extending the EBS volumes and LVM’s as well.

**Environment:** AWS, EC2, IAM, S3, EBS, Security groups, NACL, VPC, CentOS 6.5, PostgreSQL, Apache and Memcached

**Sr. Unix Systems Engineer**

**Chicken of the Sea, San Diego, CA**

**OSI consulting Pvt Ltd, Hyderabad Apr 2011 – Nov 2015**

**Responsibilities:**

* Install and configured ESXi 4.0 on PowerEdge servers.
* VMware Infrastructure 4.0 vSphere Installation & Configuration
* Virtual Networking (Virtual Switches, VM Kernel Ports).
* Deploy OEL 6.5 on Virtual Machines.
* Creation, Management and Configuration of Virtual Machines, Clone and Templates
* Customizing guest operating system on Virtual Machines.
* Created DRS and Custom roles for users and Administrators.
* High availability, Clustering, VMotion,
* Snapshot manager and restoring a snapshot.
* Managing Tasks, Events and Alarms
* Perform post OS configurations like OS hardening etc., Install & configure require tools through YUM.
* Configure NIC bonding, administer the NIC settings.
* Configured different RAID (RAID0, RAID1, RAID5 with hot spare etc.…) levels based on requirement.
* File system management. LVM configuration & management.
* Security configurations, Logs auditing and OS patching via YUM.
* Actively engaged in troubleshooting efforts for OS, network, and/or applications, fine tune system for optimal performance.
* Configure and manage NFS/Samba file system and mounting at the client side by permanent mount
* User administration. Creating users, and groups, and assigning permissions. SUDO access management.
* Install and configuring all prerequisites as per DBA & Applications team.
* Configure and manage ESX/ESXi networking and storage using vCenter Server
* Deployed virtual machines
* Manage user access to the VMware infrastructure.
* Use vCenter Server to monitor resource usage
* Use vCenter Server to manage higher availability and data protection
* Installed and configured the ESXi cluster with HA and DRS
* Implemented vMotion & svMotion
* Installed and configured the Dell Equal Logic storage, Assigned LUN’s to LINUX hosts and ESXi
* Monitoring Linux Servers on daily basis.

**Environment:** Dell Power Edge R610, R620, R710, R720, VMware ESXi 4.1, OEL 5.6, Windows 2008R2 and Dell EqualLogic.

**Sr. Unix Systems Engineer**

**OSI consulting Pvt Ltd, Hyderabad Sep 2009 – Nov 2015**

**Responsibilities:**

* Monitoring and Maintaining Linux servers and Cluster Services deployed and ESX servers using groundworks.
* Installation and monitoring agents on servers.
* Installation and configuration of SVN.
* Prerequisites verification before go- live like rpm’s, creation of users, compilations, oracle pre-requisites, tuning kernel parameters, setting user limits.
* Printer installation and management.
* Experienced on migrating LDAP configuration to host by index at server end.
* Configuring Send mail to send emails from the servers.
* Experience in Linux OS level security patching and Operating system upgrades.
* Occasional kernel upgrade and firmware upgrades.
* Regular SAN snapshots and cloning and used to present to required hosts for DBA activities.
* Maintaining inventory through SVN.
* Regular updates to clients and Issue escalations as per SLA’s defined.
* Automating of Tasks by preparing customized scripts in BASH as per requirement.
* Migrating VM’s from one ESX server to other using vCenter when required.
* Creating new backup policy based on the requirement
* Configuring new storage unit when newly added on the network
* Initiating backup/restore and troubleshooting backup failures when required
* Expiring tapes based on the requirement (older than 3months)
* Monitoring NetApp filers (clustered environment) through auto support logs/alerts
* Managing NetApp Volume/LUNs/Snapshots
* Creating and mapping lUNs when required from NetApp and Dell EqualLogic SAN.
* Increasing as per the client requirement.
* Working with NetApp vendor for storage related issues such as disk failure, firmware update.
* Monitored System Activities like CPU, Memory, Disk and Swap space usage to avoid any performance issues.
* Configured LDAP in Solaris and Linux server.
* Actively engaged in troubleshooting efforts for OS, network, and/or applications
* Analyze the performance of the UNIX system to identify memory, disk I/O and network problems using ps, vmstat, top, tcpdump, netstat and iostat.

**Environment:** RHEL (4,5,6), OEL (4,5,6), CentOS (5,6), PostgreSQL, Netapp Storage, NetBackup, Evault backup, Send mail, Squid, LDAP, HAproxy, VMware ESX 4.0, ESXi 5.5/5.1/4.1/4.0, MySQL, PostgreSQL, Oracle, Nagios and Groundworks.

**Educational Qualification**

M.C.A (Master of computer Applications) Osmania University

B.Sc. (M.P.C) Kakatiya University