**Shashank Gone**

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**SUMMARY**

* Having 8 years of experience specialized in System Administration working on Redhat Linux, Solaris, Suse Linux, AIX, Cent OS, Fedora, OEL and Windows environments.
* Installing, upgrading and configuring RedHat Linux 4.x,5.x,6.x and 7 using Kickstart Servers and Interactive Installation.
* Worked extensively on **Ansible** in the process of automation and configuration management.
* Complete **Satellite** Administration.
* Data center administration involving Assembling, Racking, Cabling, Disk installation, adding Network and powering Servers and Tape Libraries.
* Hands on experience in setting up UCS Servers.
* Prepared **customized ISOs** and kickstart profiles with all the required packages.
* Hands on Experience in redhat Enterprise Linux and Kickstart-PXE installation.
* Excellent in troubleshooting and Maintaining AIX and Patching.
* Supported installation of **MYSQL**and **PostgreSQL**DB on Linux servers associated with DBAs.
* Configured Kick start servers to install Red Hat Linux and **VMWare ESX** on multiple machines.
* Experience with configuring firewalls using Linux. Familiar with configuring advanced features such as NAT, port redirection, and logging.
* Supported WebSphere Application Server, IBM HTTP/ Apache Web Servers in Linux / AIX environment for various projects.
* Deployed EMC PowerPath updates to RHEL servers scheduled for VPLEX migration using HPSA
* Tested migration path for RHEL 6. x servers from EMC VMAX to EMC VPLEX storage
* Experience with the setup of web servers using **Nginx** and **Apache**.
* Trouble shooting and analyzing network related issues.
* Thorough knowledge and experience on configuring SAN.
* Installation & Configurations of Red Hat Linux & Fedora Linux, Maintenance & System Administration, webserver 6.1, NetBackup 5.0/6.x, Apache, Tomcat, Sendmail
* Experience in administering Solaris & Linux. Experience in Installation, Configuration, Backup, Recovery, Maintenance, Support of Sun Solaris & Linux.
* Building servers and configuring Ethernet settings of both IPv4 and V6.
* System backup and disaster recovery applications including Veritas Cluster Server (VCS) and Veritas NetBackup.
* Controlling Network packet traffic using packet analyzer such as tcp/ipdump.
* Worked on Perl in the process of Solaris to Linux migration activity.
* Experience in Shell scripting to automate system administration jobs as per the customer request and applying the changes after creating a change control and getting the approval according to customer requirements.
* **Experienced in DNS, NIS, NFS, FTP, sendmail, remote access, security management, and system troubleshooting skills.**
* Optimize administration and distribution of space in disk for the Oracle database.
* Proficient in SMIT Administration. Installation, Maintenance of RS/6000 systems, disk drives.
* **Good knowledge of Chef, Puppet, Python, Bash, Apache, Tomcat, Netapp, AWS, HTML, LDAP, SQL, EMC VNX, DNS.**
* Configuration and installation of software as well as hardware applications on Windows machines.
* Work with DBAs on installation of Oracle, restoration and performance tuning.
* Experience working in Ensemble Environment.
* Experienced SAN Management for Sun Solaris/HPUX/AIX/Windows operating systems.
* Expertise in implementation and designing of disaster backup and recovery plan.
* Worked in **Agile** environment using CA Rally.
* Provided production support in an on-call rotation in a 24x7 environment.
* Excellent analytical, oral, written, communication and problem solving skills and good Team Player.

**TECHNICAL SKILLS:**

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| **Operating Systems** | Redhat/Centos 4.x,5.x,6.x,7.x, Ubuntu, Windows 2003, 2008, 2012, XP, 7, Solaris, SUSE linux |
| **Tools** | Ansible, Puppet, Chef, Git, SVN, Bit bucket |
| **Virtual platform** | VMware, Openstack, AWS |
| **Network Tools** | IXIA, Bugzilla, Wireshark, Ethereal. |
| **Services** | DNS, SMTP, NTP, HTTPS, Apache, DHCP, NIS, NFS |
| **Hardware** | CISCO UCS, Routers, Switches, ASA, Terminal servers, Sun, IBM, |
| **Monitoring** | Nagios, Solarwinds, PRTG |
| **Database** | MYSQL, PostgreSQL |
| **Tunneling Protocols** | L2TP, IPsec, PPPoE, GRE, MPLS, IEEE 802.1Q |
| **Authentication Protocols** | TACACS, PAP, CHAP |
| **Languages** | C, C++, Python, YAML, SQL, HTML/DHTML, |
| **Network Layer** | IP, IPv6, OSPF, BGP, EIGRP, ARP, RARP, RIP, RIP2, PPP, POS, ATM, VLANs, OSPF, IS-IS, BGP4 |
| **EDA Simulation Tools** | MATLAB, PSPICE, Lab View, Verilog, OPNET, Packet Tracer |
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| **General** | Cabling network devices, password recovery, disaster Recovery, ROMmon mode, upgrading IOS versions |

**PROFESSIONAL EXPERIENCE:**

**CISCO, San Jose, CA Dec 2015 to now**

**Sr. Systems Administrator**

Cisco Systems, Inc. (known as Cisco) is an American multinational technology that develops, manufactures, and sells networking hardware, telecommunications equipment, and other high-technology services and products.

**Key Responsibilities:**

* Plan, Design and deploy the process of SSH key rotation on all the machines at the site.
* Working extensively on Ansible to implement several scenarios including SSH key rotation, configuration management.
* Experience in using LDAP as part of encrypted storage mechanism.
* Administered server infrastructure of 1000+ servers. Both physical and virtualized servers running VMware ESXi
* Plan, Design and implement configuration management to manage standard configuration files on the machines.
* Installing, configuring and setting up Cisco UCS M240 servers and shipping to site.
* Hands on experience in using MYSQL Database to create and query data from tables.
* Experience in using APIs to manage LDAP.
* Used GIT as source code management tool: creating local repo, cloning the repo, adding, committing, pushing the changes in the local repositories, saving changes for later (Stash), recovering files, branching, creating tags, viewing logs, etc.
* Installed, configured RHEL, Ubuntu, Debian Linux and Windows on AWS cloud based instances.
* Built end to end RPMs based on the requirement.
* Developed customized ISOs (Disk Image files) with the required packages and kickstart profile in it.
* Hands on experience in java as part of config baselining security scan of the machines.
* Experience in installing, configuring, and maintaining services such as Bind, Apache, MySQL, nginx, etc
* Plan, design and implement Multifactor Authentication for Windows and Linux platforms.
* Experience in setting up Admin tokens for Windows users and Soft tokens/DEScard for Linux users as part of Multi factor Authentication.
* Experience in Installing, upgrading and configuring RedHat Linux 4.x, 5.x, 6.x ,7using Kickstart Servers and Interactive Installation.
* Created disk groups, volumes, volume groups and RAIDs using LVM in RHEL &VERITAS Volume Manager.
* Worked on **Netapp** filers to mount the file systems (mount the user home directories)
* Provisioned servers, installation and configuration, post-build monitoring and troubleshooting.
* Monitored the availability and health of the infrastructure and applications across multiple datacenters. (Systems resources: disk space, memory, CPU load)
* Installednew/rebuilding existing servers which supported infrastructure (NIS, NFS, DNS, and DHCP)
* Worked on ACLs, firewall rules and IP tables between sites to enable multiple services between the sites
* Plan and implement Configuration baselining for the machines using CIS security scan mechanism.
* Expert in standardizing Configuration files taking security aspects into consideration.
* Workedon enabling **VAS (Vintela)** authentication on all the machines.
* Installing, configuring and maintaining Nagios, Puppet and SaltStack.
* Worked on Red Hat Satellite in setting up Capsule servers, adding machines to satellite and managing channels in satellite.
* Experience in Monitoring CPU, memory, iSCSI disks, disk controllers, physical disk and RAID, multipath, file systems, network using the tools NAGIOS and BMC Tools.
* Monitored server and application performance & tuning via various stat commands and tuned I/O, memory etc for SUN Solaris and RHEL Servers.
* Design and implement syslog monitoring system at the sites.
* Troubleshooting SMTP, NTP and DNS services running over ISP.
* Setting up Infra centralized logging dashboard to monitor the services centrally.
* Deploy openVPN for AD replication.
* Applied OS patches and upgrading on a regular basis
* Setting up **openstack** and creating instances for different teams in staging environment.
* Working knowledge of Docker and Moodle.

**Amgen, Thousand Oaks, CAOct 2014 to Nov 2015**

**Sr. Systems Engineer**

Amgen is committed to unlocking the potential of biology for patients suffering from serious illnesses by discovering, developing, manufacturing and delivering innovative human therapeutics. This approach begins by using tools like advanced human genetics to unravel the complexities of disease and understand the fundamentals of human biology.

**Key Responsibilities:**

* Systems Administrator responsible for centralized Administration / Maintenance of Linux servers.
* As a member of Linux Admin supporting Technology Environment group responsible for Installation, Maintenance, Administration and troubleshooting of Red Hat Enterprise Linux 5/6/7 systems.
* Proficient in Drupal 7, 6 including hands-on custom module development, key contributed modules and core, maintenance and administration of Drupal modules and sites.
* Involved in the data center activity involving the hardware migration process of Linux based servers and provisioned 2TB 3par storage to the cluster via BROCADE fiber switch.
* Managed Ubuntu Linux and Windows virtual servers on AWSEC2 using Open-Source Chef Server
* Configured kick start installation of Redhat Linux Enterprise servers.
* Experience in administering and maintaining Linux servers in production environments.
* Supported in installation of packages/patches on Linux platforms.
* Implemented Backup & Disaster recovery management on Linux platforms.
* Able to manage and facilitate relevant portions of the SDLC in an Agile environment.
* Experience in working with revision control systems especially GIT in migrating repositories between servers and command-line tools, including Drush.
* Design and Implementation of VMAX, XtremIO, Vplex, VNX, NetApp EF560 and NetApp FAS
* Worked in migration process of Drupal environment from Aegir platform through ansible.
* Automated Infrastructure using ansible and configured Servers, networks and Firewalls and created Playbooks to automate simple and repeated jobs.
* Configuration and administration of Fiber card Adapter’s and handling of SAN (SAN arrays, HITACHI, EMC) in IBM AIX servers.
* Expertise in Linux scripting languages such as Bash, Python.
* Hands on experience in setting up reverse proxy using **nginx** and apache.
* Automating the installs using Jumpstart and Kickstart and building post install scripts using Shell scripting in SUN Solaris and RHEL Servers.
* Experience designing configuration management systems using tools such as Chef, Ansible and Puppet.
* Experience in troubleshooting server issues related to systems and applications such as Apache, DNS and installed Dockers on Virtual machines to run, build test and shipping the applications with containers.
* Working experience with apache httpd and other webservers, and its communications.
* Development experience in working as a midlevel developer with PHP language.
* Able to use user terminal commands, install and configure applications, services and search for errors on system log files, etc.
* Analyzing Linux systems, check processes and log files, and retrieve and review information contained within logs for troubleshooting.
* Problems and performance issues, deployed latest patches for SUN Solaris and Linux Application servers, Performed RHEL Kernel Tuning for TCP stack
* Worked on openshift in automation process.
* Experience with SAN fiber channel infrastructure, disk and logical volume management.
* Worked with ticketing and problem management systems (Service now).
* Experience with relational databases, Interaction with database and SQL experience.
* Backup of critical systems on a scheduled basis, and the ability to restore from backup as required.
* Capability and eagerness to learn new languages and code bases quickly.
* Experience in working effectively both independently and in a team environment.

**GMAC Insurance, Winston-Salem, NCFeb 2014 to Oct 2014**

**Systems Engineer**

Founded in 1939 as Motors Insurance Corporation, the GMAC Insurance Group is a property and casualty insurance company in the United States and was a subsidiary of Ally Financial. Ally has agreed to sell GMAC Insurance Group to Maiden Holdings pending regulatory approval. GMAC Insurance is the only insurance company in the United States to come from within the automotive industry.

**Responsibilities:**

* Configured maintained virtual server environment on VMWareESXi with vCenter management andSystems administration-related solutions for various project and operational needs
* Configured hardware, peripherals, services, settings, directories, storage, etc. in accordance with corporate standards
* Developed and maintained installation and configuration procedures
* Contributed to and maintained system standards
* Hardware management through system console, e.g. iLO, iDRAC, UCS Manageretc
* Network configuration including NIC configuration, bonding, VLAN, etc
* Maintained virtual machines running on Amazon Web Services (EC2)
* Scheduled system jobs through cron and at tools
* Wrote troubleshooting, instruction and training documentation on daily basis
* Wrote many shell scripts to automate daily or ad-hoc tasks such as:
* System check script which runs system diagnostic commands and sends report daily
* Adding multiple users using for loop script
* Load balancing using nginx and suitable protocols.
* Scripts to trace logs for specific search and generate reports
* Combining multiple DNS zone files into one and identifying duplicates
* User management: created, modified, closed and propagated maps to NIS clients
* Troubleshot and maintained TCP/IP, Apache HTTP/S, and DNS applications
* Obtained basic understanding of connectivity issues using tools such as TCPdump and Wireshark
* Monitored server and network infrastructure using Sitescope
* Identified possible issues, troubleshot, and escalated to the appropriate technical team to increase efficiency.
* Ensured the streamlined operation of the IT infrastructure in alignment with the business objectives of the organization
* Resolved issues related to login, performance, and granting proper permissions
* Performed patch management and server maintenance to enhance server infrastructure operation performance
* Provided24/7 on-call support (bi-weekly rotation)
* Strong experience working with various Development & Test teams in a dynamic organization environment and experience with a variety of hardware platforms like Dell, Cisco UCS, DL360, DL560.
* Configured/added new services as necessary
* Upgraded and configured system software that supports infrastructure applications
* Performed ongoing performance tuning, and resource optimization as required, Configured CPU, memory, and disk partitions as required
* Exposure to KVM
* Installed and upgraded Operating systems
* Created repositories and performed backups using TAR as needed
* Managed user accounts creation and modification
* Administered disk management
* Added, removed, and upgraded packages using yum and rpm

**Med Impact, San Diego, CAJune 2013 to Jan 2014**

**Systems Analyst**

Founded in 1989 and headquartered in San Diego, Calif., MedImpact Healthcare Systems, Inc. provides PBM services to the Commercial MCO, Medicare, Medicaid, Self-insured, State/Local Government, 340B, and Discount/Retail Pharmacy Loyalty Card market segments. MedImpact manages pharmacy benefits for more than 50 million lives around the globe.

**Responsibilities:**

* Experience in Installation of Red Hat Enterprise Linux 4/5/6, Debian, Ubuntu, AIX, on hardware like HP and Dell & Solaris 9, 10 operating systems on SPARC platforms.   
  Proficient in patching RHEL, AIX and Solaris servers to recommended security levels. Maintaining and upgrading operating systems like RHEL and AIX platforms.
* Performed volume management tasks like mirroring using SVM, VERITAS Volume Manager 4.x/5.x and LVM.
* Proficient experience in Server builds, post builds and installations with co-ordination with application and database teams.
* Provided day to day support to RHEL and AIX servers through various ticketing tools and monitoring tools like Service Now.
* Supported Oracle DB and Oracle RAC on Red Hat Linux environments.
* Worked with VERITAS Foundation Suite 5 and performed tasks like creating disk groups, volumes, initializing disks, replacing failed disks etc.
* Experience in Installation, configurations and providing daily troubleshooting and support to IBM Tivoli storage manager
* Worked with EMC Power path, Hitachi HDLM in SAN related environments.
* Experienced in Installed and configured VERITAS, Net Backup and TSM on Red Hat Enterprise Linux.
* Configured kick-start server and updating/applying patches to the servers using Red Hat Satellite server.
* Deployed Red Hat Satellite Server with custom repositories to provide a stable management solution for Linux environment.
* Configured Kick start servers to install Red Hat Linux and VMWare ESX on multiple machines.
* Experienced in Manage file systems using Software RAID and recover an array, manage file systems using Logical Volume Management, resize file systems and protect them with LVM Snapshots.
* Experience in Disk mirroring and RAID implementation using VERITAS Volume Manager and LinuxVolume Manager.
* Worked on Upgrading of VMware ESX 3.0.0 to ESX 3.5.
* Creating virtual machines using KVM hypervisor on Xen servers, installing Red Hat using kick-start and Cobbler
* Assisted in resolving hardware issues and network connectivity issues related to TCP/IP.
* Experienced in Installed and configured DHCP, DNS, and NFS.
* Worked on web servers setup( Apache and nginx).
* Worked on Implemented SUDO, SSH and other security tools and implemented SOX (Sarbanes Oxley) security compliance.
* Troubleshooting on Sun Java System Web Server 6.0 and Apache 1.3.x web server on Solaris with experience in installing SSL certificates.
* Experienced in creation and maintenance of user accounts and active directory.
* Worked on Configured NFS and Open LDAP services in Red Hat Linux and Solaris systems.
* Work on implementation of security controls and monitors compliance with security policies and procedures.
* Experienced in Utilization and Implementation of VMware at the full implementation range using the complex features of VMware connectivity with SAN, HA and DRS configuration.
* Modifying/ Writing scripts in Bash and Korn shell for optimizing day to day tasks.

**Visen Industries, Hyderabad, India Mar 2011 to May 2013**

**Linux Administrator**

Visen Industries Limited, a leading manufacturer of polymer emulsions, centers its efforts on delivering premium products to paint, textile, adhesive and construction industries as well as consumer products. With a clear vision of becoming the largest supplier of water based polymer emulsions, the company has been making a persistent effort in improving its products, manufacturing, sales, marketing, and supply chain management.

**Responsibilities:**

* Responsible for installing and configuration of UNIX, RHEL 5.2, SUSE and Solaris 7 and implemented day-to-day tasks in RHEL including user access, setting up sudo rules.
* Monitoring and troubleshooting issues of operating systems and Hardware Systems and exclusively configured IBM RS/6000 for production, staging and test environments.
* Experience in Upgrading and patching of Solaris, installed cluster and applying to firmware.
* Experience with VMware Virtualization using ESX 4.0, XEN and Virtual box hypervisor of VSphere
* Assisted in installation and Configuration of SSH, TELNET, DHCP, DNS.
* Extensive experience with working on Solaris Volume Manager to create file systems as per user and database requirements, creating meta devices, soft partitions, mirroring the devices.
* Configuration of LVM to manage logical, swap, physical partitions and importing physical volumes, ZFS designed by sun microsystems and monitoring disk space.
* Experienced with Process management and managed ACTT ticket queue resolving Operating Systems issues related to process failures, software and hardware system alarms in Sun servers.
* Experienced in writing Shell Scripts in Bash, C-shell and Cron tab in Linux to automate the tasks.
* Installation and updating the systems with the new package updates using YUM and RPM.
* Local and Remote administering of servers, routers and networks using Telnet and SSH.
* Troubleshoots network issues using 'trace route', 'net stat', 'ifconfig' and 'snoop'.
* Installation and configuration of using Volume Manager and Volume Cluster Servers.
* Experienced in working with file level security or firewall which we use in Linux is SELINUX.
* Setup user account and group login ID's, password, password rules and network configuration.
* Experience with ticket management tools such as Remedy and Service Now.
* Creating Permissions for the files and directories and troubleshooting network and firewalls.
* Helped in Development team to provide the information and troubleshooting.
* Worked with Documenting processes and troubleshooting scenarios on run books.
* Provided support for large number of Production, Development and Test systems.
* Experienced in performing the administration of the DNS and zone configuration.
* Good experienced in communicating with onsite and off shore teams on daily basis.
* Providing 24\*7 on-call support on rotation basis in high priority incidents through bridge calls.

**Model Finance Ltd, Hyderabad, India Mar 2009 to Feb 2011**

**Linux/Unix Administrator**

Model Finance has grown over the past decades on the foundations of dedicated customer service, fair business practices, and efficient, safe and trusted financial policies.

**Key Responsibilities:**

* Data Centre migration to a remote data-center due to satellite DC consolidation efforts
* Provided production support in an on-call rotation in a 24\*7 environment.
* Installed, configured and maintained DNS servers, Mail servers, FTP servers, NFS, SMB, NIS+ and Samba Web servers on Sun Solaris, and Linux platforms.
* Installed and configured Disk and file system management using Logical Volume Manager (LVM) and Veritas VxVM on Linux systems, ZFS on Solaris.
* Implemented Puppet, Chef, Nagios tools and Bash, Perl, Python scripting.
* Worked on configurations and installations Solaris and Linux servers using Custom Jumpstart and Kick start.
* Performed OS provisioning using kickstart through HP OpenView
* Performed patching of RHEL using yum, up2date and rpm.
* Updating patches to keep servers updated against bugs present in the operating system using Red Hat Satellite Server, yum, etc
* Experience in using VMware VMotion to move VM's from One Datacenter to another datacenter.
* Handling the day-to-day Operations, Troubleshooting& Solve Server Problems in LINUX
* Monitored System Activities like CPU, Memory, Disk and Swap space usage to avoid any performance issues.
* Performed security, users, group's administration and daily backup and restore operations, networking service, performance, and resource monitoring.
* Maintained proper documentation of all the activities carried out during the project.

**Education:**

* Bachelors of Science and Technology, Electrical & Electronics Engineering, **JNTU, India**