**Name: CHANIKYA**

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**Linux System Administrator**

Season professional looking for a challenging and versatile system administration position that requires creative and innovative applications of technology in order to solve business problems.

# PROFILE SUMMARY

* Around 8 years of specialized experience in System Administration, Network Administration and Application Support working on Red Hat Linux 4.x/5.x/6.x/7.x, CentOS 5.x/6.x/7.x, SUSE Linux 10 and Sun Solaris 8/9/10.
* Developed automated processes that run daily to check disk usage and perform cleanup of filesystems on UNIX/ Linux environments using shell scripting and CRON.
* Configuration of LVM (Logical Volume Manager) to manage volume group, logical and physical partitions and importing new physical volumes.
* Experienced in kick-start installations, support, configuration and maintenance of Red Hat Linux, CentOS and SUSE Linux.
* Worked on VMware ESX 4.x/5.x/6.x, and Virtual Infrastructure client to create virtual guests.
* Experience in File systems, File Permissions, Exporting & Mounting File Systems, Recovering Filesystem Errors and Device Path Management.
* Experience in networking concepts like DHCP, TCP/IP, IP Addressing, Bonding and Networking Technologies.
* Uploads, imports and updates MFD firmware repository as needed.
* Maintains and updates firmware and settings of Multi-Functional Devices(MFDs) (Printers, Multi-Functional Printers(MFPs), copiers, and digital senders).
* Complete understanding of the various methods of OS patching, Firmware updates and the toolsets that are used to execute the function.
* Experience in installation and configuration of Apache 2.x, JBoss, ATG Web Servers.
* Configured services like DNS, NIS, NFS, SAN, Send Mail, FTP, Remote access on Red Hat Linux.
* Responsible for setting up DR environment for Red Hat Linux servers and implemented DR Procedures as per client requirements.
* Created VM's for Dev Environment using KVM-Qemu
* Working knowledge of different types of hypervisors (QEMU KVM, VMWare Hypervisor).
* Used Puppet Enterprise to Manage Application configurations in a large Qemu-KVM environment
* Responsible for reviewing and providing technical support, documentation of UNIX server builds and disaster recovery operations.
* Configured all BIOS on servers and workstations per SOPs.
* Install and configure Nginx as proxy server.
* Monitored application performance, JVM and Database using AppDynamics and NewRelic.
* Comprehensive Knowledge of Linux kernel tuning, patching and extensive knowledge of Linuxsystem imaging/mirroring using System Imager.
* Administered imaging server running Ghost
* Performance tuning Apache and Nginx. Adding virtual hosts. Write and troubleshoot rewrite rules.
* Experience working on Continuous Integration and Delivery platform as DevOps Engineer.
* Worked on Cloud Infrastructure like AWS, Azure and Open Stack and Virtualized environments VMware, Hyper-V and Citrix.
* Expert in monitoring tools such as NAGIOS XI, NAGIOS CORE, HPOM, HPSM.
* Expertise in AWS, experience in implementing new Virtual Private Clouds with private and Public subnets and working with ELB’s, EBS, Code Commit, S3 storage and Simple Workflows.
* Manage the Active Directory environment and created a secure wireless network using Radius 802.1X authentication
* Deploying Layer 2 security in Server Farms by configuring switch for 802.1x port based authentication.
* Experience in building Continuous Integration and automation platform using Jenkins and Hudson.
* Worked on Configuration Management tools like Ansible, Puppet and Chef.
* Created Jobs for Builds and Deployments, installed several plugins in Jenkins to support multiple build eco systems required for the implementation of projects.
* Experienced in using monitoring tools like Nagios, Splunk, ELK and Cacti.
* Prepared, arranged and tested Splunk search strings and operational strings.
* Experience with a McAfee SIEM (e.g. Splunk, ArcSight, Nitro, etc)
* Experience in deploying and maintaining private cloud infrastructure of OpenStack.
* Utilized AWS Relational Database service (RDS/BYOL), Red Shift and Mongo DB as back ends.
* Experience in building new Open Stack Deployment through Puppet and managing them in Stagging and production environment.
* Established standards for desktop imaging architecture via MDT 2012 and SCCM 2007.
* Build and set up desktop/laptop images using Acronis Imaging.
* Experience in automating provisioning of resources in Open Stack Nova (VMs, images), Neutron (networks, ports and routers) and Swift (Customized metadata).
* Experience in user/role/group management using Open Stack to provide fine-grained, secures access to resources.
* Experienced in Open Stack environments to create and manage users using Keystone and VM management using Open Stack, volume management using Cinder, network and port management using Neutron.
* Proficient in tracing complex build problems, release issues and environment issues in a multi-component environment like Open Stack.
* Supporting user-related issues on NoSQL databases like MongoDB and PostGRESQL.
* Build and maintain databases using MySQL.
* Experienced in branching, tagging and maintaining the version across the Environments using VCS tools like GIT, Subversion (SVN) on Linux and windows platforms.
* Worked on Puppet for the deployment of servers with custom scripts.
* Worked on creating various modules in Puppet and automated various facts.
* Added multiple nodes to enterprise Puppet master and managed all the Puppet agents.
* Ability to write Shell, Ruby, Perl, Bash, YAML and Python scripts.
* Developed build and deployment scripts using ANT and MAVEN as build tools in Jenkins to move from one environment to other environments.
* Experience with container based deployments using Docker, working with Docker images, Dockerhub and Docker registries.
* Good knowledge on Linux administration and shell/bash scripting.
* Manage network security using Security Groups and IAM.
* Stay current with the latest features/capabilities of the AWS platform.
* Experienced in Cloud automation using AWS Cloud Formation templates.
* Experience with migration to Amazon web Services AWS from Datacenter.
* Experience working on Multiple AWS instances, set the security groups, Elastic Load Balancer and AMIs, Auto scaling to design cost effective, fault tolerant and highly available systems.
* Experience in creating instances in AWS EC2 using Python Boto - 3 Library.
* Possess strong analytical and troubleshooting capabilities, proactive listener and team player with positive approach.

# TECHNICAL SKILLS

**Configuration Management:** Chef, Puppet, Ansible, kitchen, vagrant and packer

**Continuous Integration:** Jenkins, Hudson and Bamboo

**Version Control:** Git, Code Commit, Bitbucket and Subversion

**Project management:** JIRA and Confluence

**Build Tools**: ANT and MAVEN

**Cloud Platforms:** AWS, Openstack and Azure

**Platforms**: RHEL 3/4/5/6/7, Ubuntu (Server and Client) Solaris 10/9/8, HP-UX, Windows Client (7/8/10), Windows Server 08/08R2/12/12R2

**IDE Tools**: Eclipse, Rubymine, Phycharm and NetBeans

**Virtualization Platform**: VMware ESX and Citrix.

**Orchestrator**: Chef and Docker

**Package Management**: Artifactory and Chocolaty

**Storage**: SAN, NAS, EMC, HP and IBM Storage

**Databases/DBMS**: Oracle (11g), MySQL, No SQL, MongoDB and PostGREsql

**Network**: NIS, NFS, AutoFS, DNS, DHCP, NIS+, LDAP and S3 Route

**Languages**: Shell Scripting, Bash scripting, Python, Ruby, Perl

**Web Servers**: Apache, Tomcat, IBM WebSphere server, JBOSS and WebLogic

**Application Server**: Web logic 8x, 9.2, 10.3, 12c, WebSphere.

**Third Party Tools**: VERITAS Volume Manager, Logical Volume Manager, RAID, VERITAS Cluster, Sun Cluster, HP Service Guard, Red hat Cluster SAR, LVM, FTP, SSL, VMware virtualization, VMware ESX, RAID Technologies.

# WORK EXPERIENCE

**OG & E***, Oklahoma* **Oct 2015 – PRESENT**

***Sr Linux System Administrator/ Dev Ops Engineer***

**Environment:** Red Hat, Chef, AWS, Ruby, Bash scripts, AMI

**Responsibilities:**

* Administration of RHEL 5/6 that includes installation, testing, tuning, upgrading and loading patches, troubleshooting both physical and virtual server issues.
* Creating, cloning Linux virtual Machines, templates using VMware Virtual Client 3.5 and migrating servers between ESX hosts.
* Implemented and administered VMware ESX 3.5, 4.x for running the Windows, Centos, SUSE and Red Hat Linux Servers on development and test servers.
* Primary support to all kind of issues for All of Unix and Linux eco systems.
* Worked with Red hat for finding root cause on panic issues.
* Working for DevOps Platform team responsible for specialization areas related to Chef for Cloud Automation.
* Installation and configuration of SUDO package accomplished successfully across various UNIX platforms.
* Limiting user account privileges using SUDOERS.
* Excellent hands on experience, in web servers such as Apache Tomcat, IIS, IBM HTTP Server and IPlanet.
* Creating the Virtual Machine for 3G-Small Cell, Virtualization of Network by using Qemu-KVM
* Implemented virtual route reflectors on VMware ESXi and Openstack with KVM/QEMU
* Migrated Apache from 1x to 2.4.10 and Tomcat from 6x to 7.0.55
* Responsible in configuring of virtual Ethernet, virtual SCSI and virtual memory.
* Configuring and implementing LINUX Kernel re-compilation.
* Installed dual pathing software on VIO servers (PowerPath/MPIO) and SDD for virtual SCSI redundancy.
* Skilled in storage protocol and device driver development including SCSI/SAS/SATA/RAID, enclosure management, HDDs, SSDs, PCIe Flash and Host based Flash acceleration software
* Experience in Performance monitoring, usage and load of the system, changing kernel parameters for better performance, creating new Slices with format and creating huge Slices with Daisy Chains.
* Installing required software and patches, setting up kernel parameters to suit the applications.
* Work involved fine tuning the kernel on occasions, mirroring file systems for fault tolerance, extending root as well as other file systems according to increase in data volume,
* Created and modified VERITAS Cluster Service Groups and managed switchover from node to node and just as importantly, from interstate primary and DR sites.
* Manage logical Volume manager on Red hat Servers.
* Troubleshooting day-to-day server related issues and problems in terms of operating system, applications and network.
* Assisted in PCI compliance Auditing Process.
* Initiated Development of ansible playbooks with spacewalk to handle OS level patching.
* Implemented/developed corporate Linux patching schedule using Spacewalk and Satellite for over 800 systems.
* Provided PCI and Security compliance assistance based on Corporate/Client needs & requirements.
* Expertise in designing build/configure documentation related to Red Hat Enterprise Linux via Spacewalk/Satellite/Kickstart/Puppet/Cobbler servers.
* Developer of several Perl automated applications which replaced the previous manual tasks.
* Responsible for: Object oriented Perl module development, PL/SQL stored procedure development, automation using shell scripting, ETL jobs development using IBM Data Stage.
* Extensive exposure to Configuration Management policies and practices with regards to SDLC; along with automation of scripting using BASH/Shell, Perl scripting.
* Design and implementation of Linux, VMware NSX, and cloud solutions on Open stack for building Private/Public Cloud for Large Enterprise application.
* Ability to install, configure, and test Open stack environment (Nova, Swift, Cinder, Neutron, Horizon, Keystone & Glance) on CISCO Hardware.
* Perform VMware administration which includes cloning, migrating, bios change, expanding and monitoring resources.
* Performed MS SQL replications for different applications.
* Worked with Developer to implement and support Linux based App using Apache front end and MySQL and PHP database.
* Deployed MYSQL clusters using Red Hat cluster Suite for supporting internal applications built on the LAMP stack.
* Strong knowledge in MongoDB concepts - CRUD operations and aggregation framework.
* Designed the MongoDB database for the financial system using the concepts of indexing and Sharding.
* Actively involved in Switching technology Administration including creating and managing VLANS, Port security- 802.1x, Trucking 802.1Q, RPVST+, Inter-VLAN routing, and LAN security on Cisco Catalyst Switches 4507R+E, 6509-E and Cisco Nexus Switches 2232, 5596, 7009.
* Experience with LAN, WLAN access/authentication, provisioning and management systems that includes enterprise 802.1x (EAP-PEAP and EAP-TLS) and non 802.1x services (i.e. web services guest portal).
* Re-structuring the software architecture by implementing the RabbitMQ to improve the performance and flexibility of the different parts of Web EDI product.
* We used RabbitMq for message queuing, MongoDB and Memcached for data persistence, and we melded everything together using mostly Python as the development language.
* Designed and developed Spring XD streams, and the communication using RabbitMQ.
* Analyzing corporate LAN and WAN to determine the major problems and improvements needed to be made to the network infrastructure.
* Involved in L2/L3 Switching Technology Administration including creating and managing VLANs, Port security, Trunking, STP, Inter-Vlan routing, LAN security.
* Responsible for maintaining the entire Routing and switching domain across the campus / Branch to Head Office and also the Layer-2 campus network across the remote branches which included configuring VLANs.
* Provided an in-depth level of insight and validation of the amount information gathering and data point correlation Bigfix provides to understand the known enterprise, physical and security posture. Analyzed and documented NHLBI/NIH existing infrastructure and enterprise patch management solution using IBM's BigFix/Tivoli and other tools.
* Constructed multi-phased project management plans to re-architect and executed the BigFix/Tivoli architecture to overcome inherent configuration issues from less than desirable implementations.   
  • Created customized documentation and process model to optimize client patch management methodologies.
* Tuned BigFix/Tivoli deployment scripts to increase deployment/reporting efficiencies and decrease network congestion
* Modeling and development experience of business logic and automated business processes using TIBCO Business Works.
* Good working knowledge of TIBCO products like TIBCO Active Database adapters and File Adapters.
* Experience in using domain monitoring/management tools like TIBCO Hawk and TIBCO Administrator.
* Analyze change requests (CRs) to ensure that standardized methods (ITIL methodology) and procedures are used for efficient and prompt handling of all changes, in order to minimize the impact of change related incidents upon service quality, and consequently improve the day-to-day operations of the organization.
* Ran both Incident Management Working Group and Service Desk Working Group with Program Partners to establish Community wide ITIL Incident Management Processes.
* Debugged and improved performance of the applications by 60% using various tools like JMC, AppDynamics and OpenNms.
* Used AppDynamics extensively to troubleshoot application bottlenecks to isolate which modules are consuming excessive resources.
* Configure RAID mirroring on Linux platform.
* Implement and configure software (McAfee SIEM) and appliance-based products in large enterprise and Government environments.
* Develop and implement McAfee SIEM alarms and alerts.
* Responsible for maintaining McAfee SIEM hardware and software integrity.
* Maintained and monitoring System Activities like CPU, Memory, Disk and Swap space usage to avoid any performance issues.
* NAGIOS migration from NAGIOS core to NAGIOS XI enterprise version with NAGIOS fusion integration on top. Created custom plugins and scripts for monitoring. Troubleshooting NAGIOS fusion. Integrated NAGIOS XI to NAGIOS ticketing manager to make auto ticketing.
* Performed application installation and management on Linux servers for applications like JBoss.
* Configuring, administering and troubleshooting of NFS, AutoFS (Direct and Indirect Maps), NIS (master, slave and client) and DNS in multi-platform networks.
* Consult with customers on disk storage RAID setup and design and configuration of VMAX, VNX, Isilon and XtremeIO Disk Arrays.
* Good knowledge Isilon and XtremeIO arrays.
* Expert in Configuration, Administration & Troubleshooting of EMC products such as VMAX, VNX, and Clarrion.
* Day to day administration and troubleshooting on VMAX, VNX, XtremIO, Isilon, Brocade and Cisco products.
* Worked on setting up Splunk to capture and analyze data from various layers Load Balancers, Webservers and application servers.
* Provide regular support guidance to Splunk project teams on complex solution and issue resolution with the objective of ensuring best fit and high quality.
* Worked with Client's open stack cloud, created instances using nova client, setting security and deploy applications and brought them in to production after QA testing.
* Implemented automated local user provisioning in instances created in Openstack cloud.
* Systems log management, Data backup and restoration with UNIX native tools (tar/dd).
* Managed DNS server. Updated forward and reverse lookup files for all the new machines added in the domain. Created reverse lookup files for the new subnets added into the network.
* Configured and managed LVM on Linux using tools like lvextend, lvcreate, resize2fs etc.
* Organizing DR (Disaster Recovery) server tests to make sure the infrastructure is correct and the DR servers are working as expected.
* Supporting Chef Environment with 2000+ servers and involved in developing manifests.
* Worked on Cloud automation using AWS Cloud Formation templates.
* Worked on migration from Datacenter to AWS.
* Worked on Multiple AWS instances, set the security groups, Elastic Load Balancer and AMIs, Auto scaling to design cost effective, fault tolerant and highly available systems.
* Implemented rapid-provisioning and life-cycle management for Ubuntu Linux using Amazon EC2, Chef, and custom Ruby/Bash scripts.
* AWS Cloud platform and its features which includes EC2, VPC, EBS, AMI, SNS, RDS, Cloud Watch, Route53, Auto scaling, Security Groups, Red shift, and Cloud Formation.
* Transferred data from Dynamo DB to Red Shift.
* Written Chef Cookbooks for various DB configurations to modularize and optimize end product configuration.
* Implemented Chef Recipes for Deployment on build on internal Data Centre Servers.
* Used Chef, Knife, Ohia to create cookbooks and recipes to install packages that automate with Linux.
* Setup Chef Cookbooks to perform builds and deployment management.
* Written Ruby shell scripts according to the requirement.
* Responsible for monitoring system health and performance of instances deployed in AWS.
* Install and configure SSH to enable secure access to the servers.

**Desco Industries. Inc***, Chino, CA*  **JUN 2013 – Sep 2015**

***Sr Linux System Administrator/ Dev Ops Engineer***

**Environment:** Red Hat, CentOS, Jenkins, Maven, AWS EC2, Python, Puppet

**Responsibilities:**

* Deployed, configured and managed more than 3000 servers in various production and networking environment.
* Installed, configured and Administrated of all UNIX/ Linux servers on Amazon Web Services (AWS), includes the design and selection of relevant hardware to Support the installation/upgrades of Red Hat (5/6), CentOS 5/6 operating systems.
* Performed kick-start installations, support, configuration and maintenance of Red Hat Linux.
* Automated the Wordpress and MySQL container deployment in Docker using Python and monitoring of these containers using uptime robot and Nagios.
* Support for Linux /Unix systems administration, operational support and problem resolution for server systems.
* Installation and Configuration of Network bonding - for high available network.
* Created Tomcat and Apache user groups.
* Worked on WiFI ;(802.1X radius , Standard, Modulations, Antennas, VPNs, SDN, Firewall, IPS, IDS, DNS and IPTV, Volt for smart TV, VoIP, OLAP, ISO8583 message format for mobile messages and Mobile communication 3GPP) RF4CE, RF and Bluetooth
* Experienced with WLAN, VLAN access /authentication, provisioning and management systems that includes enterprise 802.1x (EAP-PEAP and EAP-TLS) and non 802.1x services (i.e. web services guest portal).Worked on 3G, 3GPP, 4G standards, VoLTE, IMS, SIP, VOIP for message transmission.
* Worked with ATT in Production to resolve Apache tomcat problem. Recompiled APR openssl and tomcat native to resolve certificate issues.
* Upgraded Apache and Tomcat in NPE servers to latest version, configured and tested successfully.
* Upgraded Apache and Tomcat in Production servers to latest version, configured and tested successfully.
* Designed, tested, and implemented computer applications using PHP and MySQL to service all departments and developed programs to automate previously manual procedures.
* Responsible for installing, configuring and maintaining PHP, Apache and MySQL on AWS Cloud Servers.
* Created background scripts to process XML files and update the database using Laravel commands and RabbitMQ.
* Monitoring and managing daily jobs, processing around 200k files per day and monitoring those through RabbitMQ and Apache Dashboard application.
* Used RabbitMQ for the Service Bus implementation in Micro-Services Architecture.
* Experience in writing ansible scripts.
* Used ansible for configure tomcat servers and maintain.
* Deploy and monitor scalable infrastructure on Amazon web services (AWS) & configuration management using Ansible.
* Deploy Apache/Tomcat applications using Ansible.
* Written Ansible Playbooks to automate our build/deployment process.
* Built/installed new servers and involved in deployment activities, environment support including installation, configuration and day-to-day maintenance.
* Serve as the Technical lead for all DCOS systems supported at the MCNOSC DCO. These systems include McAfee Nitro Security SIEM, McAfee Network Security Manager, McAfee ePO/HBSS, ArcSight, Marine Collection Database and ACAS.
* Worked on FTP servers for sending and receiving files between local and remote servers.
* RPM and YUM package installations, patch and other server management.
* Creating new file systems, monitoring disk usage, checking and backup of log files administration and monitoring the disk based file system.
* Configuring multipath, adding SAN and creating physical volumes, volume groups and logical volumes.
* Installing and configuring Apache and supporting them on Linux production servers.
* Kernel compilation and patch upgradation on Linux servers.
* Installed and configured Oracle 10g/11g RAC high availability.
* Developed automated processes that run daily to check disk usage and perform cleanup of file systems using shell scripting and CRONTABs.
* Creating and Managing Users / Group accounts and setup a user's work environment.
* Monitoring the File System, CPU load for better Performance and system performance parameters using iostat, vmstat and prstat.
* Monitoring system performance, tune-up kernel parameter, adding/ removing/ administering hosts, users, disks on DNS / NIS domain.
* Implementing new projects builds framework using Jenkins & maven as build framework tools.
* Implementing a continuous Delivery framework using Puppet, Maven & Nexus in Linux environment.
* Worked on AWS Cloud management and Puppet automation.
* Installed/Configured/Managed Jenkins CI Automation.
* Performed the majority of the mission critical Oracle and MongoDB database monitoring.
* Monitor and troubleshoot Java containers (mule) in production and QA environments.
* Configuring Mongodb replica sets for storing NoSQL data.
* Written Python/ shell scripts according to the requirement.
* Setup and Install Puppet workstation, Puppet Server and bootstrapping the Puppet Clients.
* Experience in creating instances in AWS EC2 using Python Boto - 3 Library.
* Automated processes with custom built Python & Shell scripts.
* Configured volume groups, extend volume groups/LVM/file system, exported and imported volume group for hardware.
* Scripting & automating tasks using Python for backup, monitoring and file processing.
* Virtualized the servers using the Docker for the test environments and dev-environments needs. And also configuration automation using Docker containers.

**Health Plan Services***, Tampa, FL* **Nov 2012 – JUN 2013**

***Linux System Administrator***

**Environment:** UNIX, VMware, SUN solaris, RHEL, Ansible, AWS, veritas , RETRUST , SuSe Linux , HITACHI

**Responsibilities:**

* Installed and configured database and FTP segments for the transfer of data between two segments.
* Installed Linux on VMware virtual servers using Virtual Client Infrastructure Console.
* Installed Linux on HP Proliant DL Series servers using integrated lights-Out (ILO) and Virtual Media.
* Patched different software using RedHat Package Manager and YUM.
* Installed certain RPM packages, which were not installed default for Oracle.
* Downloaded latest kernel from YUM server, created repo to make it available for the installation of target servers.
* Created Shell scripts and also worked on existing scripts.
* Automating the installs using Jumpstart and Kickstart and building post install scripts using Shell scripting in SUN Solaris and RHEL Servers.
* Upgraded Linux Kernel using YUM.
* Upgraded current Linux version to RHEL version 5.6.
* Developed automated processes that run daily to check disk usage and perform cleanup of file systems on UNIX environments using shell scripting and CRON.
* Configure an Ansible playbook to harden RHEL 7 servers to STIG guidelines.
* Update existing Ansible playbooks from version 1 to version 2.
* Using Packer, Vagrant, and Ansible, automate the deployment, provisioning and maintenance of our local development systems.
* Worked with Open stack Command-line client.
* Integrated Open stack (Ice house) with Open stack to create software-Defined-Networking tenant and service provider network and routers.
* Done with replacement for reading excellent Open Stack documentation, rather, a short summary of some basic commands.
* Using Packer, Terraform and Ansible, migrate legacy and monolithic systems to Amazon Web Services.
* Using Bash and Python, include Boto3 to supplement automation provided by Ansible and Terraform for tasks such as encrypting EBS volumes backing AMIs and scheduling Lambda functions for routine AWS tasks.
* Upgraded Solaris 9 to Solaris 10 using Live Upgrade.
* Performed Solaris 9 patching using Live Upgrade.
* Ran RETRUST after upgrading the Solaris operating system.
* Deployed File System in Veritas.
* Disk and file system management using Solaris and VERITAS Volume Manager and Logical Volume Manager for Linux.
* Configuration of NIS based name servers on RH and SuSe Linux for the management of name space.
* Configured NAS Aggregates (RAID4, RAID-DP), Volumes and file systems.
* Configured Auto Support, SNMP based monitoring, Syslog routing for NAS management.
* Worked on NFS Exporting and mounting of NAS file systems to Linux based servers using NFS/NFSv4.
* Assisted the Backup Team in configuring NDMP based backup for NAS volumes.
* Used Performance Scripts on ONTAP 7.3.1 to troubleshoot the issues that arose during the backend disk failures.
* Worked extensively with Vendors Sun, NetApp, and HP for troubleshooting the issues and in replacing the failed Hardware.
* Configuration and administration of Fiber card Adapter's and handling of SAN (SAN arrays, HITACHI, EMC) in IBM AIX servers.
* Performed different configuration under Veritas for Oracle agents.
* Performed all LVM and file system tasks like creation of Logical volume and file system, Mount a file system, Modifying size of a Logical Volume and file system, Removing a file system.
* Performed troubleshooting to make VMware tools run on Linux Guest OS.
* Monitored systems using HP-SIM and Nagios.
* Provided 24x7 on-call / Remote Support for Technical Problems on weekly rotation basis.

**BB&T Bank***, Raleigh, NC* **May 2009 – Oct 2012**

***Linux System Administrator***

**Environment:** RHEL, Suse Linux, apache , JBoss , VMware , java, Red Hat Linux4,5, x 6 VMware ESX 3.5/4.1, vCenter 5.1, ESXi 5.1, Windows Server 2008 R2, sun Solaris 8,9,10, Solaris Volume Manager, Veritas Cluster Server, Weblogic , Samba, Oracle 9i/10g SAP,7200.1.0.1.1050., HP DL 385 G6, HP DL380 G7. EMC SAN, VMAX, DMX, EMC Clarian

**Responsibilities:**

* Supported Clients Environment, and systems troubleshooting that involving RHEL and SuSE server's in a large scale environment.
* Installation, configuration and Operating System upgrade on, Red Hat Linux 4.x, 5.x, 6.x.
* Performance Management & Tuning of RHEL.
* Installed and configured SAMBA server for windows and Linux connectivity.
* Coordinated with security team to deploy of patches and packages to RHEL and Solaris servers.
* Setup and Configuring Kickstart Server for RedHat EL (RHEL) and auto install with Suse Linux Enterprise Server (SLES) / Open SuSE and automated the installation of the servers at a large scale infrastructure environment.
* Package management with yum and RPM.
* Installed, configured, and login 1,500 servers.
* Implemented and configured Backup policies and Storage Units.
* Veritas File system and Veritas Volume Manager are used to configure the RAID 1 and RAID 5 Storage Systems.
* Implemented NIS and NFS for administrative and project requirements.
* Tuning the kernel parameters based on the application/database requirement.
* Monitoring system resources, logs, disk usage, scheduling backups and restore.
* Configuring SUDO and granting root permission to users for performing certain activities.
* Upgrading RHEL 5.x to RHEL 6.x usiFng live upgrade and manual upgrade.
* File system tuning, growing, and shrinking with Veritas File system 3.5/4.x.
* Worked on network connectivity, SAN storage, creating LVM and taking TSM backup.
* Installed Deployment & system configuration Automation JIRA, HPSA and Puppet server.
* Modifying user's password policies, group policy, UID and GID assignment policies.
* Monitored the performance of the system using top, sar, ps, prstat, vmstat, netstat, iostat, and cpuinfo to check the CPU utilization, bottlenecks of I/O devices,, memory usage and network traffic.
* Troubleshoot network connectivity used ping, netstat, ifconfig, and trace route commands. Login to the remote system using sudo, putty, and telnet. Transfer files across the systems on the network.Linux technical support and prepared technical documentation for check in verification.
* Regular backing up of critical data and restoring backed up data. Worked in solving tickets issued on day to day activities and problems related to development and test servers.
* Worked on ITSM remedy and Maximo ticketing systems.
* Worked on cloning physical machine to virtual machine (P2V) using VMware infrastructure client.
* Installed, configured and supported Apache, JBoss, Oracle 10g, and Clear case. Configuration of virtual hosts, plugins and SSL certificates on web servers and domains and deployments on application servers.
* Configuration of name services which includes DNS using Bind (Split DNS, ACLs), Sun Java System Directory Server and NIS.

**Atos Origin***, Mason, OH* **June 2008 – Apr 2009**

***Build & Release Engineer***

**Environment:** Rational ClearCase, Rational ClearQuest, UCM, Shell Scripts, Perl, ANT, CVS, UNIX, SQL, J2EE, Build Forge, WebSphere and Windows Environment.

**Responsibilities:**

* Designed a CM solution that used ClearCase UCM integrated with Rational ClearQuest.
* Perform administration of users, supported team for parallel development. Wrote Shell/Perl/Ant files to automate certain processes for the smooth process of use of build tools like Build Forge.
* Analyze the impact of change requests on project plan parameters, and synchronized source code repositories as an active member of CCB.
* Participated in CCB meetings to represent the CM team.
* Installed, configured and maintained ClearCase and ClearQuest for SCM and Issue tracking.
* Extensively used Perl scripting to design customized triggers for the ClearQuest.
* Performed all formal builds to the system test, acceptance test and production environments that were written in Perl/ANT/Java.
* Participated in migration, from Base ClearCase to UCM Clear Case and even from CVS.
* Fixed migration problems by identifying view checkout from VOBs and solved the problem by writing scripts for views attached to the VOBs.
* Provide end-user support for the CM activities, general compiler support, environment support and complete documentation of CM tasks using MS-Office, also documented for project configuration.
* Helped in deployment of Java applications with the installation and configuration of WebSphere server using ClearCase for source control.
* Installation and Configuration of WebSphere software development environment (SDE) to automate build processes.

**HTC Global Services, Chennai, INDIA** **JAN 2008 – May 2008**

***System Administrator / Application support Engineer***

**Environment:** Unix/RedHat Linux, Vi Editor, Unix/Linux, Shell Scripts, VMWARE AIX.

**Responsibilities:**

* Experience with installing and configuring sudo, proposed and implemented the idea of building a master sudoers file, and worked on a script to push the file to client LPAR's on a weekly basis to lock down sudo access as a part of security audit.
* Installed and automated config 2 html scripts on client LPAR's and documented the RGA AIX environment by designing a webpage to access the cfg2html and ganglia output.
* GSD331 troubleshooting, find any incompliant servers are Remediate GSD331.
* Installed WebSphere Portal Server 5.1/6.0/6.1 and enabled Web Content management.
* Migrated WAS 5.0 Network Deployment and Base on AIX/Windows platforms to WAS 6.0 ND.
* Experience in NetApp storage devices, setup, configuration, operations and connecting to pSeries hardware.
* Perform system installs and performance tuning, configure and administer AIX 5.3, 6.1 LPAR's.
* Create virtual media repository and LPAR dedicated virtual optical drives in the VIO servers to make new installations, cloning and migrations faster and easier.
* Set up and troubleshoot issues with Secure Shell in the environment to accommodate script automation and password changes.
* Solid understanding of Keon theory, being able to make directory architectural recommendations such as additions to DIT, schema extensions and indexing, Analyze and implements ACLs.
* Worked on AIX 5.3 and 6.1 running on ten P5s (P550 and P560), two P6s (P6 550), and six P7s (P700, P702 and P750) attached to EMC storage subsystems.
* Experience with Power VM 2.2 (VIO), HMC Version 6 and 7, EMC CLARiiON subsystem device configuration (Power path).
* Power VM Virtualization (SEA, vSCSI, NPIV), Dynamic LPAR (DLAPR).
* Setup and configured TCP/IP network on Linux.
* Installed and configured network services such NFS, NIS and DNS Server.
* Adding physical volumes, creation Volume groups, File systems, Storage allocation, cron jobs, maintenance levels upgrades and applied Fixes for AIX 5.x.
* Configured volume groups and logical volumes, extended logical volumes for file system growth needs using Logical Volume Manager (LVM) commands.
* Modified Korn and Bourne shell scripts in order to automate administration tasks like customizing user environment and performance monitoring.
* Users & groups administration and Software installation & maintenance.
* Experience with Integrated Virtualization Manager (IVM), installing configuring and administering MQ 5.3/6.0 on AIX, Linux and Windows environments.
* Installation and configuration of LPARs with AIX 5.3 on P5 servers. Manage LPARs and provide virtual memory management and memory optimization.

# EDUCATION

Bachelor Degree (Electronics & Communication Engineering)*RMK/ Anna University, Chennai, INDIA*