**Nikitha**

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**Senior DevOps engineer**

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**PROFESSIONAL SUMMARY:**

* Overall 9 years of experience in Information Technology industry in various roles with excellent experience in Software Integration, Linux Administration, Configuration, Production support, Solid Understanding of Cloud Computing strategies & expertise in the areas of Build and Release management, CI/CD Pipelining, DevOps Engineer Build & Release Management, Cloud Services like AWS, Microsoft Azure.
* Experience in provisioning and administering EC2 instances and configuring EBS, S3- cross region replication, Elastic Load Balancer, configure Auto scaling, setting up Cloud Watch alarms, Virtual Private Cloud (VPC) and RDS based on architecture
* Experience in designing AWS Cloud Formation templates to create custom sized VPC, subnets, NAT to ensure successful deployment of Web applications and database templates
* Experienced in Upgrading, Performance tuning, Migrating, Troubleshooting, Disaster Recovery and Monitoring of various Red Hat Enterprise Limited (RHEL 5.x/6.x/7.x) and Windows 2008-R2, 2012-R2 systems.
* Good understanding of the principles and best practices of Software Configuration Management (SCM) in Agile, Scrum and Waterfall Methodologies
* Develop PowerShell scripts to remotely manage Dynamics CRM servers and developer virtual machines
* Expertise in Amazon AWS Cloud Administration which includes services like: EC2, S3, EBS, VPC, ELB, AMI, SNS, RDS, IAM, Route 53, Auto scaling, Cloud Front, Cloud Watch, Cloud Trail, Cloud Formation, OPS Work, Security Groups.
* Used Ansible to automate the Cassandra Tasks such as new installations/configurations and Basic Server Level Checks
* Experience in Windows Azure Services like PaaS, IaaS and worked on Azure PaaS storages like Blob SQL Azure. Well experienced in deployment & configuration management and Virtualization.
* Responsible for updating Dynamics CRM environments with the latest Microsoft service packs, updates and hotfixes on 15 developer virtual machines, all lower environment servers and production server instances
* Interacted with Architect & implemented Cloud / Azure based systems as a part of POC in the patching process.
* Helped customers implement Monitoring System (Kafka, Zookeeper) in the Kubernetes Cluster
* Experienced working on CI/CD allowing for deploy to multiple client Kubernetes/AWS environments
* Managed servers on the Amazon Web Services (AWS) platform using Ansible/chef configuration management tools and Created instances in AWS as well as migrated data to AWS from data Center
* Experience in building multiple cookbooks in Chef, and implemented environments, roles, data bags in Chef for better environment management
* Worked with VMWARE tools like vCenter & vSphere to manage VM’s running on ESX cluster nodes and also experience working on vMotion.
* Experience in developing Chef recipes to configure, deploy and maintain software components of the existing infrastructure
* Configured Docker containers for Branching purpose and deployed using Elastic Beanstalk
* Experience with Docker, Kubernetes, swarm and clustering frameworks
* Proficient in tracing complex build problems, release issues and Implemented Continuous Integration and deployment using various CI Tools like Jenkins, Hudson, Bamboo, Chef, Puppet, Ansible.
* Strong experience creating ANT/MAVEN with Ansible scripts for deployment. Experience with Maven (Pom.xmls) and Ant (build. xmls).
* Worked on Power Shell scripts to automate the Azure Cloud system creation of Resource groups, Web Applications, Azure Storage Blobs &Tables, firewall rules.
* Working knowledge in Ansible to manage all existing servers and automate the build and configuration of newly provisioned servers
* Automated the provisioning of Tomcat application, Apache web instances through Ansible
* Experience working on several Docker components like Docker Engine, Hub, Machine, Compose and Docker Registry
* Expertise in component repository management tools like Nexus, Jfrog Artifactory etc.
* Installed, Configured, Managed Monitoring Tools such as ELK Stack, Splunk, Nagios, AppDynamics & ICynga.
* Built out Infrastructure as a Service (IAAS) private cloud OpenStack and managed deployment of Microservices using Kubernetes, Docker etc. to production environment. Performed server monitoring, Application monitoring, Capacity Planning and log monitoring using Nagios, Cacti, Zabbix and Splunk.
* Good knowledge and experience in using Elasticsearch, Kibana and fluentd, CloudWatch, Nagios, Splunk, Prometheus and Grafana for logging and monitoring.
* Hands on experience with build tools like, Team City, Sonar. Worked with different Bug tracking tools like JIRA, Rally, Remedy and IBM Clear Quest.
* Experienced administrator skills on Linux/UNIX distributions (Red Hat/CentOS, Ubuntu, Solaris and AIX) and Windows flavors. Installed Linux/Unix distributions and configured various services as per the requirement using Puppet.
* Experience in configuring NIS, DNS, DHCP, NFS, SAMBA, FTP, Remote Access Protocol, Security Management, Security trouble shoots and SOA-based applications. Expertise in installations of SQL server, MYSQL server and PostgreSQL.
* In-depth knowledge of computer applications and shell scripts (Bash), Ruby, Python, and PowerShell for automating tasks.

**TECHNICAL SKILLS:**

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| --- | --- |
| **CI/CD** | Jenkins, VSTS, GitHub/Bitbucket, Maven, SonarQube, Nexus OSS, Bamboo, ANT, Confluence, JIRA, Grafana, Prometheus |
| **Cloud Platforms** | Amazon Web services, Azure, Open stack, Open shift, PCF |
| **Microservices** | Docker, Kubernetes, AWS ECS |
| **Logging and Alerting** | ELK stack, Splunk, Cloud Watch, SNS |
| **Distributed Messaging Platform** | KAFKA |
| **Infrastructure Automation** | Ansible, Terraform, Chef |
| **Test Automation** | Junit, Nunit, Selenium |
| **Application Servers** | Apache, Tomcat, JBOSS, Web Logic, Web Sphere, |
| **Web Servers** | Nginx, Apache HTTP |
| **Operating Systems** | Windows, Linux, CentOS, Ubuntu, |
| **Databases** | Oracle 10g/11g/12c, Mongo DB, MySQL |
| **Scripting** | Python, Shell, Powershell, Ruby, JavaScript |

**PROFESSIONAL EXPERIENCE:**

**DevOps Release Engineer**

**Apple, Sunnyvale, CA April 2022-PRESENT**

**Responsibilities:**

* This team is directly responsible to build, lead and expand on tools that enable software releases in a fast paced enterprise environment.
* We operate in on-premise, private, and public cloud AWS environments.
* Design and work with modern Continuous integration and deployment solutions.
* Experience with hosted services in a high-volume enterprise environment.
* Implementing applications in private/public cloud infrastructure and container technologies, like Kubernetes and Docker.
* Data imports from Salesforce, other ERP systems, xls files into Dynamics CRM.
* Exceptional analytical and troubleshooting skills in sophisticated Unix/Linux systems environment and applications implementations.
* Experience designing and building CI/CD pipeline with tools such as Terraform, CloudFormation, Ansible, and Kubernetes toolset (e.g, kubectl, kustomize).
* Excellent understanding of microservices architecture.
* Developed full-fledged software tooling to deliver programmable infrastructure & environments (infrastructure as code).
* Demonstrated ability to write programs using a high-level programming languages or scripting, such Java, Python, Shell, etc.
* Experience with logging infrastructure and using tools such as Splunk, Logstash, or Kibana.
* Experience with networking load balancers such as Ngnix, Netscaler, HAProxy.
* Operational experience with public cloud (AWS) platforms through migrations, scaling operations etc.
* Background building distributed, server-based infrastructure supporting a high volume of transactions in a critical environment.
* Proven track record of working in small, focused teams to complete critical breakthroughs under pressure with tight deadlines.
* Experience with MongoDB, Cassandra and Oracle is highly desirable.
* Passion for driving automation into how software development and delivery is done.
* Experience on Mac OS, iOS (mobile apps) desirable. Excellent written and verbal communication skills
* Partner with global teams, development teams and infrastructure teams.
* Understood the functionalities in Salesforce CRM which was using by customer and converted them into MS Dynamics CRM 365.
* In-Depth knowledge on AWS services including VPC, IAM, EC2, EKS, CloudWatch, S3, RDS, Route53.

**Environment:** Amazon Web Services (AWS), chef, Docker, Jenkins, Maven, Ansible, Shell, WebLogic, JIRA, GIT, Python, Linux.

**Sr. DevOps / Cloud Engineer Feb’2020-March 2022**

**BCBS, Plano, TX**

**Responsibilities:**

* Designed, configured and managed public/private cloud infrastructures utilizing Amazon Web Services (AWS), including EC2, Virtual Private Cloud (VPC), Public and Private Subnets, Security Groups, Route Tables, Elastic Load Balancer, Cloud Watch and IAM.
* Auto Scaling, Elastic Load Balancing and Glacier for our QA and UAT environments as well as infrastructure servers for GIT.
* Worked on Data Migration from Dynamics CRM 2011- Dynamics CRM 2016.
* Automated OpenStack and AWS deployment using Cloud Formation, Ansible and Terraform, also deployed and administered Open stack services.
* Worked with CHEF Enterprise Hosted as well as On-Premise, Installed Workstation, Bootstrapped Nodes, Wrote Recipes and Cookbooks & uploaded them to CHEF-server, Managed On-site OS/Applications/Services/Packages using CHEF.
* Created alerts and monitoring dashboards using Prometheus and Grafana for all microservices deployed on AWS.
* Involved in setting up builds using Chef as a configuration management tool and managed the configurations of servers using Chef, configured Jenkins builds for continuous integration and delivery for deployment and implementation of Chef for infrastructure as code initiative.
* Worked on Terraform for deploying infrastructure in AWS as per the requirement.
* Involved in using Terraform migrate legacy and monolithic systems to Amazon Web Services and provisioned the highly available EC2 Instances using Terraform and cloud formation and wrote new plugins to support new functionality in Terraform.
* Developed a Plugin to retrieve data from other application by using Web API call into the custom entities which we created in MS Dynamics CRM.
* Worked on Docked-Compose, Docker-Machine to create Docker containers for testing applications in the QA environment and automated the deployments, scaling and management of containerized applications across clusters of hosts.
* Hands-on experience in standing up and administrating on-premise Kafka platform.
* Creating a backup for all the instances in Kafka Environment.
* Implemented AWS high-availability using AWS Elastic Load Balancing (ELB), which performed a balance across instances in multiple Availability Zones.
* Setup and build AWS infrastructure various resources like VPC, EC2, S3, IAM, EBS, Security Group, Auto Scaling, and RDS in Cloud Formation JSON template.
* Used tracking tool JIRA and also triaged the issues and maintained bugs using JIRA tool. Maintained JIRA for tracking and updating project defects and tasks ensuring the successful completion of tasks in sprint.
* Developed Shell and Perl Scripts for the purpose of manual deployment of the code to the different environments and E-mail the team when the build is completed.
* Troubleshooting the network issues involving TCP/IP, LAN/WAN networking, DNS, DHCP, SMTP, SNMP, netstat and monitored the servers and Linux scripts regularly and performed troubleshooting.
* Wrote customized Prometheus queries to retrieve data. Made changes to Prometheus collectors and filters ensuring all relevant data are passed into Grafana.
* Manage AWS EC2 instances utilizing
* Experience managing Kafka clusters both on Windows and Linux environment.
* Designed and implemented by configuring Topics in new Kafka cluster in all environment.
* Successfully secured the Kafka cluster with Kerberos Implemented Kafka Security Features using SSL and without Kerberos. Further with more grain-fines Security I set up Kerberos to have users and groups this will enable more advanced security features.
* Review/Merge/Remove Git Pull Requests to bit bucket. Hands on with Git / GitHub for code version control using Branching, Tagging, Release Activities.
* Worked with Docker on multiple cloud providers, from helping developers build and containerize their application (CI/CD) to deploying either on public or private cloud.
* Played a major role in building Docker images; create build and deployment configurations to deploy applications on OpenShift. Developed Ansible playbooks to do automated recovery process upon the failure of OpenShift MASTER.
* Built Grafana dashboards for viewing network traffic by point-of-presence and backbone provider using carbonsearch.
* Developed Chef Cookbooks to manage system configuration and for Tomcat, MySQL, Windows applications and versioned them on GIT repositories and Chef Server.
* Used Elasticsearch, Logstash and Kibana (ELK) for maintaining system Logs and Bugzilla for tracking code bugs.
* Maintained ELK (Elastic Search, Log stash, Kibana) Stack for Searching, routing and visualizing Logged Data.
* Involved in supporting cloud instances running Linux and Windows on AWS, experience with Elastic IP, Security Groups and Virtual Private Cloud in AWS.
* Involved in the design, development and support of Charge Code Assignment using Microsoft Dynamics CRM 2011, Scribe Insight, SSRS, MS SQL Server, and SharePoint Server 2010.
* Maintained and monitored a DR/BCP risk action plan. Planned IT services recovery and resumption and established procedures for conducting post-resumption reviews. Facilitated the documentation of disaster recovery and service contingency plans. Ensured that all IT systems were in compliance and contained comprehensive plans for the recovery of assets and services.

**Environment:** Amazon Web Services (AWS), chef, Docker, Jenkins, Maven, Terraform, Ansible, ELK, Tomcat, Shell, WebLogic, JIRA, GIT, Python, Linux.

**Sr. DevOps / Cloud Engineer Nov’2017-Feb’2020**

**Wells Fargo, Fremont, CA**

**Responsibilities:**

* Used of Docker, Kubernetes and Open Shift to manage micro services for development of continuous integration and continuous delivery.
* Created Ansible roles in YAML and defined tasks, variables, files, handlers and templates. Created inventory and configured the Ansible files for parallel deployment in Ansible for automating the Continuous delivery process
* Designed, managed, and upgraded a client’s Graphite and Grafana cluster supporting more than 30 million incoming metrics per minute, 300 terabytes of storage, and over 130 million unique time series.
* Experience in managing Ansible Playbooks with Ansible roles. Used file module in Ansible playbook to copy and remove files on remote systems. Created inventory in Ansible for automating the continuous deployment.
* Used Ansible as Configuration management tool, to automate repetitive tasks, quickly deploys critical applications, and proactively manages change.
* Worked on creating the Docker containers and Docker consoles for managing the application lifecycle. Worked on various Docker components like Docker Engine, Hub, Machine, Compose and Docker Registry.
* Successfully Generated consumer group lags from kafka using their API Kafka- Used for building real-time data pipelines between clusters.
* Good knowledge on Hadoop cluster architecture.
* Set up and maintained Logging and Monitoring subsystems using tools loke; Elasticsearch, Fluentd, Kibana, Prometheus, Grafana and Alert manager.
* Used Zabbix as monitoring tool and used Zabbix plugin for Grafana for analysis & visualization.
* Successfully did set up a no authentication Kafka listener in parallel with Kerberos (SASL) Listener. Also I tested non authenticated user (Anonymous user) in parallel with Kerberos user.
* Focused on containerization and immutable infrastructure. Docker has been core to this experience, along with Kubernetes. Experienced in using Docker Swarm and deployed spring boot applications. Deployed Docker Engines in Virtualized Platforms for containerization of multiple apps.
* Working as cloud Engineer, involved in configuration for Web apps/Function apps, V-net integration, HCM, Application gateway, App Insights, Active directory, Azure Key Vault, Encryption and Security on Azure.
* Worked on various Azure services like Compute (Web Roles, Worker Roles), Azure Websites, Caching, SQL Azure NoSQL, Storage, Network services, Azure Active Directory, API Management, Scheduling, Auto Scaling, and PowerShell Automation.
* Developed microservice on boarding tools leveraging Python and Jenkins allowing for easy creation and maintenance of build jobs and Kubernetes deploy and services.
* G reproducible builds of the Kubernetes applications, managed Kubernetes manifest files and Helm packages and implemented Kubernetes to deploy scale, load balance, scale and manage Docker containers with multiple namespace versions.
* Experience on Vagrant, Azure and Kubernetes based container deployments to create self-environments for dev teams and containerization of environments delivery for releases.
* Created Docker images from scratch and customized and modified base images from existing environment configurations and maintaining the image repository for development teams.
* Created Database on InfluxDB also worked on Interface, created for Kafka also checked the measurements on Databases
* Installed and developed different POC's for different application/infrastructure teams both in Apache Kafka and Confluent open source for multiple clients.
* Experience on Azure Site Recovery, Operations Management Suite, Power shell Scripts and ARM templates.
* I wrote the ansible playbooks which is the entry point for Ansible provisioning, where the automation is defined through tasks using YAML format. Run Ansible Scripts to provision Dev servers.
* Writing several Ansible Playbooks and Roles for provisioning the machines in different environments and converting the static playbooks into roles.
* Experience in using Ansible Tower, which provides an easy-to-use dashboard, and role-based access control, so that it's easier to allow individual teams access to use Ansible for their deployments.
* Integration of Automated Build with Deployment Pipeline. Currently installed and clients to pick up the Build from Jenkins repository and deploy in target environments (Integration, QA, and Production).
* Used Splunk to monitor the system logs as well as notify the incident management system upon exceeding thresholds.
* Coordinate/assist developers with establishing and applying appropriate branching, labeling/naming conventions using GIT source control and also Analyze and resolve conflicts related to merging of source code for GIT.
* Coordinated and managed resources responsible for the development, validation and maintenance of Security, Disaster Recovery, and Capability plans. Minimized the impact of major system outages to critical patient care and business operations.
* Extensive exposure to configuration management policies along with automation of scripting using Bash/Shell scripting.
* Maintained JIRA for tracking and updating project defects and tasks ensuring the successful completion of tasks in sprint.
* Using Terraform as a tool, Managed different infrastructure resources Cloud, VMware, Bare Metal Servers and Docker containers. Also, configured RDS instances and map more complex dependencies and identify network issue using Terraform.
* Used Terraform for building, changing, versioning infrastructure and collaborate the automation of Azure Infrastructure via Terraform and Jenkins.
* Built the process of remediation for Azure resources, by automating using JSON Templates and PowerShell scripts and deploy it using build and release pipeline in VSTS.
* Worked on setting up Splunk to capture and analyze logs from various layers such as Load Balancers, Web servers and application servers.

**Environment:** Azure, Kubernetes, Docker, Terraform, Jenkins, GIT, Ansible, Maven, Nginx, Nexus OSS, SonarQube, ELK, Apache Tomcat, Python, Power Shell, Windows/Linux.

**DevOps Engineer Jul’2016-Oct’2017**

**RLI Corp Insurance Company, Peoria, IL**

**Responsibilities:**

* Utilized Cloud Watch to monitor resources like EC2, CPU memory, Amazon RDS DB services, EBS volumes to set alarms for notification or automated actions to monitor logs for better understanding of the operations.
* Good knowledge and experience in using Elasticsearch, kibana and fluentd, CloudWatch, Nagios, Splunk,Prometheus and Grafana for logging and monitoring.
* Experienced in authoring pom.xml files, performing releases with the Maven release plugin, and managing artifacts in artifactory.
* Expertise in creating Chef Cookbooks/Recipes, custom resources, libraries, etc. Implemented exception handling using chef handler.
* Implemented rapid-provisioning and life-cycle management for Linux using Amazon EC2, Chef, and custom Bash scripts.
* Tested Chef Cookbook modifications on cloud instances in AWS and using Test Kitchen and Chef Spec and used Ohai to collect attributes on node. Worked on Chef DK which takes of care creating cookbooks and recipes and Extensively used Maven tool to do the builds, integrated Maven to Eclipse and did local builds.
* Designed AWS environment, instrumental in utilizing Compute Services (EC2, ELB), Storage Services (S3, Elastic Block Storage), Elastic Beanstalk, VPC, SNS, IAM and Cloud Watch.
* Designed and implemented a POC to use the DevOps tools offered by AWS to create a CI/CD pipeline in AWS, using Code Pipeline, Opsworks, Code Build, Code Deploy and AWS S3/Bitbucket.
* Inforced security and managed user access and quota using AWS Identity and Access Management (IAM), including creating new Policies for user management.
* Designed AWS Cloud Formation templates to create custom sized VPC, Subnets to ensure successful deployment of Web applications and database templates.
* Created EBS volumes to store persistent data and mitigate failure by using snapshots. Performed Data Back-up of Amazon EBS volumes to S3 by taking point-in-time snapshots.
* Implemented Jenkins Code Deploy plugin to deploy to AWS and used to automate the build process and deploy the application to Tomcat server.
* Extensive knowledge in continuous integration tool Jenkins with different plugins like Git hub, Artifactory and SonarQube and Build and configured Jenkins slaves for parallel job execution.
* Managing batch jobs in Unix for data automated import/export of data and system automation programming using Perl, Bash, Shell scripting.
* Troubleshooting and monitoring of various proprietary Axiom and 3rd party applications using Splunk and Cloud Watch in the Amazon Web Services (AWS) environment.
* Involved in developing Splunk queries and dashboards targeted at understanding application performance and capacity analysis.
* Identified and recommended security and disaster recovery practices/procedures based on cost benefit analysis.
* Established infrastructure and service monitoring using Prometheus and Grafana.

**Environment:** Amazon Web Services (AWS), Jenkins, Chef, Git, Maven, Tomcat, Splunk, Nagios, Ruby, Bash, Linux.

**Build and Release Engineer Oct’2014-Mar’2016**

**ICICI Bank, Hyderabad, INDIA**

**Responsibilities:**

* Performed integration of Code Quality Analysis and with Jenkins and deployed the java application into web application like JBoss.
* Implemented Chef Recipes for build and deployment for internal Data Centre Servers. Also, re-used and modified and Same Chef Recipes to create a Deployment directly into Amazon EC2 Instances.
* Configured the NIS, NIS+ and DNS on Red Hat Linux 5.1 and update NIS maps and organize the RHN Satellite Servers in combination with RHN Proxy Server.
* Used AWS Beanstalk for deploying and scaling web applications and services developed with Java, PHP, Node.js, Python and Ruby on familiar servers such as Apache, and IIS.
* Utilized AWS CLI to automate backups of ephemeral data-stores to S3 buckets, EBS and created nightly AMIs for mission critical production servers as backups.
* Created functions in Lambda that aggregates the data from incoming events, then stores resulting data in Amazon Dynamo DB and S3
* Built Cloud Front to deliver content from AWS edge locations to users, allowing for further reduction of load on front-end server.
* Expert in deploying the code trough web application servers like WebSphere/WebLogic/Apache Tomcat/JBOSS.
* Used Cloud watch logs to move application logs to S3 and create alarms based on a few exceptions raised by applications.
* Integrated SVN into Jenkins to automate the code check-out process and used ANT as build tool for the development of Build artifacts on the source code.
* Migrated the production infrastructure into an Amazon Web Services VPC utilizing the AWS Cloud Formation, EC2, S3, Snowball, managing the infrastructure using Chef, CloudWatch, EBS, Route53, IAM and ensured auto scaling, load balancing and moved the production MySQL database into RDS/ Elastic Cache.
* Designed AWS Cloud Formation templates to create custom sized VPC, subnets, NAT to ensure successful deployment of Web applications and database templates.
* Experience in Automating Build & Deployment Process of applications by using Hudson and Jenkins Tool. Deployed the archives to tomcat Web server and web sphere Application Servers
* With the help of JIRA Agile, as a team track the unit of work (Issue, Bug, story, project task, etc.) through a predefined workflow.
* Integrate Splunk with AWS deployment using Puppet to collect data from all database server systems into Splunk and created multiple Python, Perl and UNIX shell Scripts for various application-level tasks.

**Environment:** Amazon Web Service (AWS), EC2, Route 53, S3, VPC, IAM, ELB, Auto Scaling, Cloud Watch,

Cloud Front, Cloud Formation, Puppet, SVN, Ant, Jenkins, Junit, Selenium, Jira, MySQL, JBoss, Python, Nagios, Shell

Scripting, Linux.

**Systems Administrator Jun’2013-Aug’2014**

**Covalense, Hyderabad, INDIA**

**Responsibilities:**

* Worked on Installation, Configuration and administration of DNS, LDAP, NFS, NIS on REDHAT Linux/Debian Servers. Configured and managed ESX VM’s with the virtual center and VI clients.
* Hands on experience in automating builds and deployment process using Shell scripting.
* Experience in setting up a PXE boot environment with Red Hat Linux and troubleshoot all load issues that occurred through Kick start and PXE boot methods.
* Conduct day-to-day tasks in RHEL that included upgrading rpms, kernel, HBA driver, configuring SAN Disks, multipathing and LVM file system.
* Working on Volume management, Disk Management, software RAID solutions using VERITAS Volume manager & Solaris Volume Manager.
* Implementing Kickstart configuration for automating Linux installations
* Configuring the services for sharing the resources from Unix such as remote login through TELNET, FTP, SSH, SFTP, SCP.
* Involved in setting up accounting systems and performing ongoing system with the administrative tasks. Extensive user and group management through shell scripting.
* Solid network and systems troubleshooting experience with HTTP\HTTPS, SFTP, FTP, NFS, SMB, SMTP, SSH, NTP and TCP/IP, Internet Security, encryption.
* Managing systems routine backup, scheduling jobs like disabling and enabling cron jobs, enabling system logging, network logging of servers for maintenance, performance tuning, testing.
* Troubleshooting Linux network, security related issues, capturing packets using tools such as Iptables, firewall, TCP wrappers, NMAP.

**Environment:** Kickstart, Linux, LVM, LAMP, Tomcat, Jira, Confluence, VM Ware, Oracle, MySQL, Red hat.

**Education Details:** Geethanjali college of engineering (CSE) - 2013