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**Swetha**

**703 348 4884**

**PROFESSIONAL SUMMARY:**

Over **14 years** of experience in IT industry with major focus on Azure, AWS Cloud/DevOps, Continuous Integration and Continuous Delivery (CI/CD pipeline), Build and Release management, Linux/Windows administration and support.

* Experience in configuring Azure Function App, Azure App services, Azure Application insights, Azure Application gateway, Azure DNS, Azure Traffic manager, Analyzing Azure Networks with Azure Network Watcher, and Implementing Azure Site Recovery, Azure Backup, Azure Key Vault and Azure Automation.
* Experience in Architecting and Implementing Azure Service Offering, such as Azure cloud services, Azure storage, IIS, Azure active directory, Azure resource management, Azure VM, Blob Storage, SQL Database, Azure Files and Azure Functions, Azure service bus and experience in Azure Availability and Scalability - Configured VMs availability sets using Azure portal to provide resiliency for IAAS based solution and scale sets using Azure Resource Manager to manage network traffic
* Experience in dealing with Windows **Azure IaaS – Cloud Services, Virtual Networks, Virtual Machines, Resource Groups, Express Route, Traffic Manager, VPN, Load Balancing, Application Gateways, Virtual Machine Scale Sets** and **Auto-Scaling** configuring **SonarQube**, **Sonar cloud** on **VSTS** pipeline with **Azure** app container services.
* Proficient in administrating **Azure IaaS/PaaS** services like Compute **Azure Virtual Machines**, **Web** and **Worker roles, VNET, Network services, Azure DevOps, Active Directory**, **Azure Storage**, **Azure SQL Database**, **Fabric Controller**, API Management, Scheduling, Autoscaling, PowerShell Automation, **Azure Search,** and **notification hub**.
* Expert in **migrating On-premises infrastructure to** **Azure** and involved in virtualization using (VMware), **OpenStack services such as Nova Compute, Network, Swift Storage, Dashboard, image, Identity, Monitoring** and infrastructure orchestration using containerization technologies like **Docker** and **Kubernetes**.
* Experience in using **Azure** service **fabric** to package, deploy, and manage scalable and dependable
* Microservices and containers. Also experience in developing different types of **Azure** Functions such
* as Http trigger, Timer trigger, service bus trigger, Event-Hub trigger.
* Experience working with Amazon Cloud Administration which includes services like**: EC2, S3, EBS, VPC, ELB, SNS, RDS, IAM, Route 53, Auto scaling, Cloud Front, Cloud Watch, Cloud Trail, Cloud Formation, OPS Work, Security Groups** by focusing on high-availability, fault tolerance.
* Designed, configured, and managed public/private cloud infrastructures utilizing Amazon Web Services (AWS) including EC2, Auto-Scaling in launching EC2 instances, Elastic Load Balancer, Elastic Beanstalk, S3, Glacier, Cloud Front, RDS, VPC, Direct Connect, Route53, Cloud Watch, Cloud Formation, IAM, SNS.
* Creating snapshots and Amazon machine images (AMIs) of the instances for backup and creating clone instances
* Experienced in design and application deployment of **AWS** infrastructure utilizing services such as **EC2**, **RDS**, **VPC** and managed network and security, **Route 53**, Direct Connect, **IAM**, **Cloud Formation**, **AWS** Ops Works (automate operations), **Elastic Beanstalk**, **AWS S3**, **Amazon Glacier** and **Cloud Watch** monitoring Management Gateway.
* Created, managed **AWS** **CloudFormation Stack** and integrated it with **CloudTrail** for monitoring the infrastructure. Stored versioned CloudFormation templates in **GIT**, visualized CloudFormation templates as diagrams and modified them with the **AWS** **CloudFormation** Designer.
* Designed multiple **VPC’s** and public/private subnets with required number of IP’s using **CIDR** blocks, **Route** **Tables**, **Security** **groups** and **Elastic Load Balancer**. To grant granular permissions to specific **AWS** Users, Groups and Roles by creating **IAM** policies. Automated **AWS** deployment and configuration tasks using **Lambda**.

**EDUCATION & CERTIFICATIONS**

**Bachelors of Technology, Aeronautical Engineering • JNTU, India May 2008**

[**SAFE Product Owner & Product Manager**](https://www.credly.com/badges/80995dba-a864-46cb-8a78-4a2fbba090b4/linked_in_profile) **Certification**

[**Microsoft Fundamentals -AZ-900**](https://learn.microsoft.com/en-us/users/swetharamshetty-7159/credentials/387c256e2f585c26) **Certification**

[**Microsoft Azure Administrator Associate**](https://learn.microsoft.com/en-us/users/swetharamshetty-7159/credentials/7e89a146b7c72762) **Certification**

[**Microsoft DevOps Engineer Expert**](https://learn.microsoft.com/en-us/users/swetharamshetty-7159/credentials/e6f7a0d7e4b23b2b) **Certification**

[**Certified Kubernetes Administrator**](https://ti-user-certificates.s3.amazonaws.com/e0df7fbf-a057-42af-8a1f-590912be5460/38e7185a-e9b7-4399-9971-4b8f94b11f23-swetha-ramshetty-468d9c9d-08a1-4ccb-a105-dfa54541dc7b-certificate.pdf) **Certification**

**Technical Skills**

|  |  |
| --- | --- |
| **Operating Systems** | Linux (RedHat 4/5/6/7, CentOS, SUSE), UNIX [Solaris 11/10/9, HP-UX 11.23, 11.31, IBM-AIX (4.3/5.x/6.x/7.x)], Windows, Ubuntu, CentOS. |
| **Cloud Environments** | Amazon Web Services(AWS), Microsoft Azure, OpenStack, Pivotal Cloud Foundry. |
| **Application Servers &**  **Web Servers** | Apache, Tomcat, WebLogic, WebSphere, JBoss, Nginx, Node.js. |
| **Source/Version Control Tools** | Git, Subversion(SVN), ClearCase |
| **CI/CD & Build Tools** | Jenkins, Bamboo, Hudson, Maven, ANT, Gradle. |
| **Testing Tools** | Selenium |
| **Configuration Management Tools** | Terraform, Ansible, Chef, Puppet, Maven, ANT. |
| **Container and Orchestration tool** | Docker, Docker Swarm, Kubernetes. |
| **Monitoring Tools** | Nagios, Splunk, Cloud watch, ELK (Elasticsearch, Logstash, Kibana), App Dynamics. |
| **Networking/Protocol** | TCP/IP, NIS, NFS, DNS, DHCP, WAN, SMTP, LAN, Telnet, HTTP, LDAP, POP3, FTP/TFTP,TLS/SSL, DHCP. |
| **Virtualization** | VMware Workstation, Oracle Virtual Box, Windows, Hyper-V, vCenter, vSphere. |
| **Programming languages** | Java, C, Python |
| **Scripting Languages** | Perl, Python, YAML, Ruby, PHP, Bash Shell scripting, PowerShell, JSON. |
| **Bug Tracking Tools** | Jira, Clear Quest. |
| **Database** | MySQL, NoSQL, PL/SQL, DynamoDB, Redshift, MongoDB Oracle 9i/10g/11g, IBM DB2 |

**PROFESSIONAL Experience:**

**Client:** **Blue Planet, A CIENA division ,MD May 2023 - Present**

**Company: SeerSolutionInc, VA**

**Role: Sr. Cloud/DevOps Infrastructure**

**Responsibilities:**

* Documented and maintained **architectures**, requirements, algorithms, interfaces and designs for **CI/CD and Cloud ecosystems**.
* Have experience and working knowledge of commonly used **AWS components such as CloudFormation, EC2, S3, RDS, Object storage, IAM and VPC.**
* Have familiarity with container technologies such as **Docker and Kubernetes, Configuration Management, setting up build automation pipelines using Jenkins**.
* Have experience in one click webapp deployment and configure a variety **of SQL and NoSQL databases, web servers**, application frameworks, caches etc.
* Practicing **cross-functional collaboration** while, leading the software development team from concept to customer delivery and support.
* Break down **complex Architecture requirements** through the full product Life Cycle **(definition, development, delivery, maintenance, end-of-life**) to Feature Stories.
* Act as a bridge between **Applications and Infrastructure teams**, fostering collaboration and ensuring **seamless integration** of technology solutions across the full stack.
* Refactored old products to **new architecture** in order to improve their performances.
* Collaborated with the **Customer Service teams**, modified the process & **reduced service time by 55%**.
* Documented **Standard Operating Procedures**, **Work Instructions**, **Configuration documents** for the Software
* Defined Data Center(SDDC) - **On Premise Cloudx**, and **Virtual Premise Cloudx environments**.
* Ensuring end-to-end deliverable's/validation that should be produced for both regulated and non-regulated systems/applications are met, this includes **Compliance Analysis, Compliance Plan, Requirements Specification, Risk Assessment, Business Impact Assessment, Design Specifications, Test Protocols, Defect Forums, Test Report, Traceability Matrix, and Compliance Summary Report.**
* Managed **product backlog**, overseeing **product team** as it works on the **infrastructure services for RDI Team**. Support the team with technology **trends** that impacts **Product Roadmap.**

**Environments:** Devops, Docker, Kubernetes, Azure Version one/Agility, HP ALM, MS office, SAFe,

Grafanna, ReadyAPI, GitLab, SharePoint, Smartsheet, Splunk

**Company: The Boeing Company, WA Nov 2018 – May 2023**

**Role: Sr. Cloud/DevOps Infrastructure Engineer**

**Responsibilities:**

* Designed, configured, and deployed **Azure Automation Scripts** for a multitude of applications utilizing the Azure stack (Including Compute, Web & Mobile**, Blobs, ADF, Resource Groups, HD Insight Clusters, Azure SQL, Cloud Services,** and ARM), Services and Utilities focusing on Automation.
* Built an application environment to operate at high availability in different Azure regions by using **CDN, Azure Traffic Manager**, **App Services-Web Apps**, **Active Directory, Storage Queues, Cognitive Services, Azure Search, Storage Blobs, Redis cache,** and **SQL Database**.
* Created and managed **Azure AD (Active Directory)** tenants manage users and groups and configure application integration with **Azure AD**. Integrate on-premises Windows AD with **Azure AD**, configure multi-factor authentication (**MFA**) and federated single sign-on (**SSO**).
* Created **Azure Role-based Access Control (RBAC)** to segregate duties within our team and grant only the amount of access to users that they need to perform their jobs.
* Created cloud modules for interacting with **Azure** services which provides the tools to easily create and orchestrate infrastructure on **Azure** and automated cloud-native applications in **Azure** using **Azure** **Microservices** such as **Azure** functions and **Azure** **Kubernetes** Services.
* Provisioned **Azure resources** of different providers Compute, Network, Service Fabric, using **ARM template** and implemented and maintained dev, test, staging and production environments leveraging infrastructure as code using **Azure ARM templates** (Infrastructure as code, JSON / YAML config).
* Created **Network Security Groups (NSG)** to filter the traffic to and from **Azure Resources** by configuring the Inbound and Outbound rules and associating them with Subnet and Network Interfaces.
* Worked on **AWS** to **Azure** migration, Jira to **Azure DevOps** Migration, **GitHub** to **Azure DevOps** Migration along with Experience in configuring and using **PaaS** offerings (like **Azure** Database services, **Azure Kubernetes**, **Azure Containers**, DNS, Application gateway rerouting, Application Insights, Azure Container Monitors, etc.).
* Involved in Serverless services (Azure **Functions**) where I created and configured HTTP Triggers in the Azure Functions with **Application insights** for monitoring and performing the load testing on the Applications using the **Azure DevOps Test Plans,** also configured Shared dashboards with required metrics and logs.
* Created **CI/CD** pipelines for **.NET**, **python** apps in **Azure DevOps** by integrating source codes **GitHub**, **VSTS**, and **artifacts**. Created deployment areas such as testing, pre-production and production environment in **Kubernetes cluster.**
* Managed **Kubernetes** charts using **Helm**, and built reproducible Kubernetes applications builds, managed Kubernetes manifest files and Helm package releases.
* Managed Docker Containers, **Kubernetes** Clusters, Mesos and implemented a production ready, load balanced, highly available, fault tolerant Kubernetes infrastructure and created Jenkins jobs to deploy applications to Kubernetes Cluster
* Deployed **Kubernetes** Cluster on **Azure** with master architecture and wrote many YAML files to create many services like pods, deployments, auto-scaling, load balancers, labels, health checks, Namespaces, Config Map, etc.
* Worked on implementing the **Kubernetes Cluster API** to manage, create, scale, upgrade and destroy of the **Kubernetes** clusters using a declarative **API** on both on-premises and **Azure Cloud** using **BareMetal** operatorand **Azure** providersfrom **CAPI.**
* Created, managed, and performed container-based deployments using **Docker** images in the **Docker Hub** containing Middleware and Applications together and evaluated **Kubernetes** for **Docker** container orchestration.
* Worked on **Kubernetes** for creating new Projects, Services for **load balancing**, and adding them to Routes by accessing from outside, created **Pods** through new application and controlling, scaling, and troubleshooting pods through SSH, managed manifest files and releases of **Helm** charts.
* Integrated Jenkins with **Docker** container using Cloud Bees Docker pipeline plugin to drive all microservices builds out to the Docker Registry.
* Experienced with deployment automation of all the **microservices** to pull the image from the private **Docker** Registry and deploy to **Docker Swarm Cluster** using **Ansible**.
* configured **Jenkins** by identifying and installing required plug-ins. Wrote **Seed. Groovy** scripts to configure Build Jobs, Build Pipelines and by using Jenkins created a master and slave configuration to implement multiple parallel builds through a build farm.
* Managed and orchestrated complicated **CloudFormation** templates through **Terraform** and migrated enterprise infrastructure standard to **Terraform**.
* Integrated **Terraform** with **Ansible** and automated terraform life cycles with **Ansible** playbooks.
* Automated the tasks with **Ansible** Playbooks by using YAML functions and migrating the servers with the required configuration changes and testing and deploying the machines using **Ansible** Commands.
* Performed job scheduling using **Ansible** Tower. Automated various infrastructure activities like Continuous Deployment, Application Server setup, Stack monitoring using **Ansible** playbooks and has Integrated **Ansible** with **Jenkins**.

**Environment:** Azure, Azure AD, Azure SQL, CDN, ARM, Azure Traffic Manager, Azure Kubernetes, Azure DevOps.

**Client: US Department of education, MD May 2017 – Oct 2018**  
**Company: Tata Consultancy Services, India**

**Role: Sr. Cloud/DevOps Engineer**

**Responsibilities:**

* Configured **VMs** in Availability Sets using **Azure** Portal to provide resiliency for IaaS based solution and scale sets using **Azure** Resource Manager to manage network traffic.
* Implemented several **POCs** on Azure utilization and configured resources using **Azure Key Vault** to save high critical secrets and passwords. Also worked on **Azure App services, Azure storage, Azure SQL Database**, **Virtual Machines, Azure Key Vault, Azure AD, Azure search,** and **Azure Notification hub**.
* Performed **POT’s** in Azure implementation and **POC’s** to implement in the Organization and involved in migration from **AWS** to **Azure cloud**.
* Migrated on prem to windows azure by building **Azure disaster recovery** environment, **Azure** Recovery Vault and **Azure** backups from the scratch using power shell script.
* Created and maintained Continuous Integration (CI) using tools like **Azure DevOps** (VSTS) over multiple environments to facilitate an agile development process which is automated and repeatable, enabling teams to safely deploy code in **Azure Kubernetes Services (AKS)** using **Azure DevOps** by **YAML** scripting.
* Acted as build and release engineer, deployed the services by VSTS (**Azure DevOps**) pipeline. Created and Maintained pipelines to manage the IAC for all the applications.
* Played a key role in the implementation of **DevSecOps** model across the organization and implemented security/vulnerability scans at multiple phases.
* Built servers using AWS includes importing necessary volumes, launching **AWS EC2 instances**, **AWS S3** for object static webpages and created security groups, auto scaling, **AWS load balancer**, **Route 53** and **SNS** as per architecture using **Cloud** formation **JSON** Templates.
* Created customized **Amazon Machine Images (AMI)** based on already existing **AWS EC2** instances by creating image functionally snapshot which was used for **disaster recovery** as well. Also used **Boto3** to automate, Auto scaling policy for automating auto-scaling groups, **Elastic load balancer** and launch configurations whenever there was high incoming traffic.
* Worked on multiple areas of **Jenkins** like Plugin Management, Securing Jenkins, Performance issues, Analytics, Scaling Jenkins, integrating Code Analysis and Test Phases to complete the CD pipelines within Jenkins.
* Implemented **Jenkins** pipeline jobs to create **Azure** Infrastructure from **GitHub** repositories containing Terraform code and created on-premises active directory authentication using automation with ansible play books.
* Developed **Kubernetes** manifests for various applications like **Cassandra**, **Grafana**, **Prometheus**, **Kafka** and setting up Kubernetes Clusters for running **microservices** and pushed **microservices** into production with Kubernetes backed Infrastructure.
* Worked on implementing clusters using **Kubernetes** and worked on creating pods, replication controllers, Name Spaces, **deployments**, labels, **health** **checks**, Ingress resources and Controllers by writing YAML files, integrated them using **Calico** SDN (software defined networking) and used **Heapster** monitoring platform on **Kubernetes** to report detailed resource usage information.
* Created **Tekton** pipelines in **Kubernetes** which was leveraged by developers to create and deploy images, manage version control of infrastructure, and perform easier rollbacks.
* Expertise in using **Docker** to containerize custom web applications and deploy them on Digital Ocean with Ubuntu instances through SWARM Cluster and to automate the application deployment in cloud using Vagrant.
* Configured and Integrated Docker container orchestration framework using Kubernetes by creating pods, deployments and used Python Scripts to schedule, deploy and manage container replicas onto a node cluster using Kubernetes.
* Migrated from **Chef** to **Ansible** and created **Ansible** playbooks which are the entry point for **Ansible** provisioning, where the automation is defined through tasks using **YAML** format to setup Continuous Delivery pipeline and ran **Ansible** Scripts to provision servers whenever required.
* Created **Ansible** roles in YAML and defined tasks, variables, files, handlers, and templates. Created **inventory** and configured the ansible files for parallel development in **Ansible** for automating the continuous delivery process.
* Profusely worked on **GIT**, Bitbucket to track changes made by different people in source code and configured GIT with **Jenkins** and schedule jobs using POLL SCM option.
* Implemented cluster services using **Docker** and **Kubernetes** to manage local deployments in Kubernetes and built a self-hosted Kubernetes cluster using **Terraform** and **Ansible** and deploying application containers.

**Environment:** Azure, ARM, Azure Key Vault, Azure SQL Database, VMs, Azure AD, AWS, Azure Cloud, Azure DevOps

**Company: Textron Aviation, KS Apr 2014 – Feb 2017**  
**Role: Sr. AWS Cloud Engineer**

**Responsibilities:**

* Setup and build AWS infrastructure using resources **VPC**, **EC2**, **S3**, **RDS**, **Dynamo DB**, **IAM**, E**BS**, **Route53**, **SNS**, **SES**, **SQS**, **CloudWatch**, **CloudTrail**, **Security Group**, **Auto Scaling**, and **RDS** using CloudFormation templates.
* Performed the automation deployments using AWS by creating the IAMs and used the code pipeline plugin to integrate Jenkins with AWS and created the EC2 instances to provide the virtual servers.
* Wrote Lambda functions in python for **AWS Lambda** and invoked python scripts for data transformations and analytics on large data sets in EMR clusters and **AWS Kinesis data streams**.
* Created all the required compatibility architectures and end-to-end migration plan for migrating 3500 Linux/Windows servers and 1500 applications into the AWS cloud using AWS Data Pipeline.
* Implemented ETL process to ingest analytical data stored in **S3** into a Redshift data Warehouse cluster using AWS Lambda Microservices.
* Create resources in AWS to support infrastructure needs to the team using Terraform and Ansible tools.
* Used the Ansible Galaxy, a shared repository for the roles to download, share and manage the roles.
* Integrated Docker container-based test infrastructure to Jenkins CI test flow and set up build environment integrating with Git and Jira to trigger builds using WebHooks and Slave Machines.
* Developed and implemented automated CI/CD pipeline utilizing Docker for a micro service-based application.
* Developed CI/CD system with Jenkins on **Kubernetes** container environment, utilizing Kubernetes and Docker for the runtime environment for the CI/CD system to build, test and deploy.
* Working on encrypting Terraform secrets to Git vault
* Setup Jenkins pipeline for **Terraform automation** and **Ansible automation**, enable build triggers to apply changes to AWS platform.
* Maintain Terraform and Ansible code in GitHub, create repository for each AWS account like development, test, prod-parallel and production.
* Create Kafka clusters and provide producer endpoint to application teams to write to the Kafka topics.
* Provide Kubernetes cluster to create namespaces to orchestrate Docker containers across the accounts.
* Enable Cloud security using IAM roles and policies and provide users role-based access to limit actions performed in AWS console or CLI
* Implemented AWS solutions using **EC2**, **S3**, **RDS**, **EBS**, **Elastic Load Balancer**, **Auto scaling groups**
* Working on creating Amazon EC2 instances and setting up security groups.
* Perform data encryption using **AWS KMS** keys to secure data stored in various storages like **S3, RDS, EFS and EBS**.

Environment: AWS, Linux Redhat 7, Terraform, Ansible, GitHub, Jenkins, Docker, Kubernetes, Kafka, and other security tools to support cloud Infrastructure.

**Company: DRDO, Hyd Apr 2012 – Mar 2014**  
**Role: Build and Release Engineer**

**Responsibilities:**

* Installed **Jenkins** on a Linux machine and created a master and slave configuration through a build farm for implementation of multiple parallel builds.
* Coordinate and assist developers with establishing and applying appropriate branching, labeling/naming conventions using **GIT** source control. Creating user level of access for related GitHub project directories to the code changes.
* Responsible for applying the Corporation's Software Configuration Management processes to projects, setting up and maintaining **TFS/GIT/GitHub** infrastructure and supporting a continuous delivery model by automating software build and package migration processes.
* Creating and Implementing branching and merging strategy with multiple branches and used Git as source code management repository to keep track of version changes
* Did upgrades to applications using **Puppet** manifests. Used **Puppet** to make sure all the Jenkins slaves are coordinated. Developed and implemented an automated Linux infrastructure using Puppet.
* Performed the automation using Puppet Configuration management. Wrote Puppet modules and manifest files from scratch and expertise in Puppet Administration and Puppet Web tools for deploying consistent infrastructure code, Profile and Class level across multiple environments.
* Developed **MAVEN** scripts to build the projects and Migrated **ANT** to **MAVEN** Projects.
* Worked on update and merge password authentication issues in Jenkins and Jira and involved in implementing Atlassian Tool Suite (Jira, Jenkins) especially for the issue tracking application (Jira).
* Assisted 24x7 on-call supports in debugging and fixing issues related to Linux, Solaris, HP-UX Installation/Maintenance of Hardware/Software in Production, Development & Test Environment as an integral part of the Unix/Linux (RHEL/SUSE/SOLARIS/HP-UX/AIX) Support team.

**Environment:** Jenkins, GIT, Git Hub, Puppet, Maven.

**Company: Gate Aerospace Forum, Hyd May 2010 – Mar 2012**

**Role: Linux System Administrator**

**Responsibilities:**

* Installed and configured various services like DHCP, NFS, DNS, **Apache** Web Server, NIS, LDAP, Samba, SSH, FTP/SFTP, Send mail/SMTP, Telnet, **RPM** Package Management, File System Management.
* Develop and maintain cooperative and collaborative relationships with networking, storage, software development, and project management teams.
* Installing & Configuring Printers with CUPS and LVM’s. Managing user accounts, Groups, printers, file systems and security and creating new file systems, mounting file systems, and unmounting file systems.
* Installed, upgraded, and configured **RHEL** and **SUN** Solaris.
* Installed/Configured **WebLogic** Application Server.
* Installation and configuration of VCS5.0/VCSOne on various Red Hat and Sun Servers.
* Installation and configuration of Oracle RAC on Linux cluster nodes.
* Monitoring system performance, Server load and bandwidth issues.
* Worked on **Nagios** tool for monitoring servers, switching, and send data via network through specific plugins. Performed activities using **Nagios** both on **Linux** and **windows** systems.
* Conducted performance testing of Apache and **Tomcat** management services.
* Configuration and Administration of Apache Web Server and SSL certificates and involved in configuration
* of Virtual Hosts for Apache HTTP Server.
* **User** & **Disk Management** of Linux user accounts, groups, directories, file permissions.
* Installed and Configure Multi-pathing for SAN disks in 3PAR Power path.
* Reviewing system logs files for errors, settings up **CRON** jobs for backups and monitoring process.
* Experience in Install & Configure JBOSS Application Server in test environment.
* Regularly manage backup process for Server and Client data.

**Environment:** RedHat Linux, Apache/Tomcat, MySQL, UNIX, and Nagios.

**Company: Indian Institute of Technology- kanpur May 2008 – Feb 2010**

**Role: System Administrator**

**Responsibilities:**

* Installation of operating systems and configuration of kernel parameters for Linux/Unix servers.
* Worked on configuring network interfaces, assigning static routes and hostnames.
* Used TAR tool in archive management for files and directories, also used gzip and bzip2 compression of files.
* Worked on creating, maintaining and troubleshooting Disk partitioning, LVM and file management.
* Automated updating and maintenance process in production environment using shell scripts.
* Installed, updated, and configured the necessary packages using the RPM and YUM software/package management.
* Supported data management through on-site &amp; off-site storage and retrieval service.
* Administered local and remote servers using SSH (secure shell) tool on daily basis.

**Environment:** RedHat Linux, LDAP,DNS.