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Description automatically generated with low confidence**Graphical user interface, application

Description automatically generated** **Shant****an Nimmagadda**

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# Professional Summary:

* Around 10 years of in-depth experience in automating, configuring, and deploying applications and infrastructure in cloud environments, expertise in **DevOps, CI/CD Pipeline, Build and Release Management, AWS/Azure/GCP,** and **Linux/Windows** Administration.
* Contributed to the design and deployment of applications using **AWS** stack, including **EC2**, **Route53, S3, ELB**, **EBS, VPC, RDS, DynamoDB, SNS, SQS, IAM, KMS, Lambda, EKS, Fargate and Kinesis**, with a focus on high availability, fault tolerance, and auto-scaling.
* Proficient in AWS **CloudFormation**, deployment services (**OpsWorks and CloudFormation**), and security practices **(IAM, CloudWatch, CloudTrail**).
* Experienced in cloud automation using **AWS** CloudFormation Templates, Chef, and Puppet.
* Experienced in configuring and managing **Azure** networking services **(Virtual Networks, Load Balancers, VPN Gateways**) for secure and interconnected cloud environments.
* Experienced in deploying web applications and creating web jobs. Proficient in **Azure Windows Server, Microsoft Visual Studio, Windows PowerShell, and cloud infrastructure.**
* Proficient in configuring **Azure platforms such as Virtual Networks, Multi-Site, Cross-Site, VMs, Azure AD,** **Load Balancers, Azure SQL, and Cloud Services**. Utilized **Azure** ExpressRoute for on-premises data center integration and **Kubernetes** for **Docker** container deployment, scaling, and administration.
* Skilled in implementing blog storage solutions (**Blob Storage, Azure Files, Azure SQL Database**) to ensure efficient data storage and management.
* Demonstrated proficiency in **Azure AD** services for robust security measures and access control. Strong knowledge of **Azure DevOps, facilitating CI/CD** pipelines for seamless application development and deployment.
* Migrated the applications and server instances from on-premises environment to **AWS and GCP cloud**.
* Proficient in Infrastructure as Code (**IaC**) using **Terraform** to efficiently provision cloud resources, manage complex infrastructures across multiple providers, leverage **Terraform** modules for reusability and scalability, and resolve configuration drift to maintain desired infrastructure state.
* Proficient in deploying **Terraforms** infrastructure across multi-cloud environments, ensuring consistent resource management and accurate records.
* Skilled in Configuration Management with coordinates teams, maintains version control, and ensures quality assurance using tools like **Ansible, Chef and Puppet**.
* Experience in verifying Open stack environment in **Docker** Containers tests before upgrading production environment.
* Worked with **Kubernetes and OpenShift** to provide a platform for automating deployment, scaling, and operations of application containers across clusters and managed containerized applications using its nodes.
* Extensive experience with **Docker** and **Kubernetes** on multiple cloud providers and helped developers to build and containerize their application pipeline (**CI**/**CD**) to deploy them on cloud and KOPS for managing K8.
* Experienced in working on several Docker components that includes **Docker Engine, Hub**, **Compose and Docker** Registry and deployed micro-service apps into containers using **ECS** (Elastic container service) and handle the **Kubernetes** cluster.
* Created and managed **Docker** container clusters on the **Google Cloud Platform** **using Kubernetes, Linux, Bash, GIT,** and **Docker**. Utilized **Kubernetes and Docker for CI/CD pipeline** runtime environment.
* Experienced in securing **Helm** deployments, ensuring sensitive information is handled securely and maintaining deployment integrity. Proficient in utilizing **Helm's** features like hooks, secrets management, and value overrides to meet specific application requirements.
* Proven expertise in successful **cloud migration**, seamlessly transitioning on-premises infrastructure and applications to various cloud platforms. Skilled in leveraging cloud-native technologies for optimized performance, scalability, and cost-efficiency in cloud-based solutions.
* Proficiently experienced in using tools like **Ant, Maven, Jenkins, Chef, SVN, GitHub, Tomcat, Linux, configuration management, cloud infrastructure,** and **automation**.
* Strong problem-solving skills, capable of addressing **GitLab**-related challenges and ensuring smooth and efficient software development lifecycles.
* Collaborative team player, adept at training and supporting development teams in **GitLab** adoption and best practices. Adept at integrating **GitLab** with other **DevOps** tools and services, enhancing the overall development and deployment ecosystem.
* Designing and Implementing **CI (Continuous Integration)** Configuring Jenkins servers, Jenkins nodes, creating required scripts **(Perl & Python),** and creating/configuring **VMs (Windows/Linux).**
* Skilled in conducting comprehensive code reviews to ensure adherence to security standards and best practices, using both manual analysis and automated code scanning tools.
* Skilled in various scripting languages, such as **Python**, **Bash**, **PowerShell**, **Ruby**, and **JavaScript**, to create robust and scalable automation solutions for infrastructure provisioning, configuration management, and deployment processes.
* Demonstrated expertise in implementing real-time performance monitoring using tools like **Prometheus** and **Grafana, Splunk, Datadog** tools collecting and visualizing metrics on CPU usage, memory utilization, network traffic, application response times, Applications Performance.
* Proficient in utilizing **Application Performance Monitoring (APM)** tools such as **New Relic, AppDynamics**, for identifying and resolving performance bottlenecks, optimizing resource utilization, and enhancing user experience.
* Proficient in **Waterfall** and **Agile methodologies** like **Scrum and Kanban**, managing ceremonies, backlog grooming, sprint planning, and retrospectives. Experience in Agile frameworks, project management, and ticketing technologies like **ServiceNow, Bugzilla, and JIRA**.

# Technical Skills:

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| --- | --- |
| Cloud Environments: | AWS, GCP, MS Azure, Open Stack, PCF |
| Configuration Management Tools: | Ansible, Chef, Puppet, Salt Stack |
| CI/CD Tools: | Jenkins, Azure DevOps, Octopus Deploy, GitLab, CircleCI. |
| Containerization Tools: | Docker, Kubernetes |
| Container Orchestration Platform: | Kubernetes, Docker Swarm, OpenShift, Apache Mesos |
| Version Control Tools: | Sub Version (SVN), Git, GitHub, GitLab, Bitbucket, TFVC |
| Build/Automation Tools: | Gradle, Maven, Ant, Dotnet, MS Build, Node |
| Monitoring Tools: | Nagios, Splunk, CloudWatch, ELK, Datadog, AppDynamics, New Relic |
| Scripting: | Bash/Shell, Python, Ruby, JSON, PHP |
| Databases: | Oracle, MySQL, MS SQL, Mongo DB, Dynamo DB, Raven DB |
| Application Servers: | Apache Tomcat, Apache HTTPD, JBoss, Web Logic, WebSphere |
| Repository Management tools: | Artifactory, Nexus, Docker Hub, ProGet, Azure Artifacts |
| Bug/Ticket Tracking Tools: | JIRA, Cherwell, Remedy, Bugzilla, You Track, Tech Deck, Azure Boards |
| Testing Tools: | Selenium, Junit, Cucumber |

# Professional Experience:

**Client name: Ameriprise Financial, Austin, Texas Oct 2022-Present**

**Role: Sr. AWS DevOps Engineer**

**Responsibilities:**

* Deployed and managed a robust Large Scale Cloud Infrastructure, managing over 250 servers in an **AWS** environment. Utilized **AWS** services like **EKS, S3, RDS, Redshift, EBS, EC2, ELB, and ALB,** achieving 30% cost reduction and 40% improvement in application response times.
* Designed event-driven architectures and microservices using serverless computing with **AWS** **Lambda** and **API Gateway.**
* Designed **AWS Cloud Formation** for monitoring, setting alarms, notifications for **EC2** hosts and templates to create custom sized VPC, subnets, NAT to ensure successful deployment of Web applications and database templates.
* Migrated on-premises applications to **AWS** cloud services, encompassing seamless integration of applications with the cloud environment.
* As part of continuously delivering **Agile** team, develop, test, and deploy Data platform features Develop ongoing test automation using **chef, Python** based framework using Ansible to Setup/teardown of **ELK Stack**.
* Deployed **GKE on GCP** with the help of **Gitlab-Jenkins-Terraform** integration.
* Integrated **Jenkins/Helm/Kubernetes/Vault** with **GCP** to perform semi-automated and automated releases to lower and production environments.
* Developed Lambda functions triggered by various **AWS** events, such as **S3 object uploads**, **DynamoDB updates,** or **SNS** notifications**.**
* Designed **VPC** peering connections with consideration for latency and performance requirements, choosing optimal routing paths and regions.
* Utilized **Terraform** and **Ansible** for configuration management and infrastructure provisioning.
* Created automated continuous integration, testing, and deployment pipelines using **GitHub Actions,** and **Jenkins**.
* Designed and executed scalable and reproducible infrastructure deployments using **Terraform** across multiple environments.
* Developed **Terraform** modules and templates to simplify infrastructure provisioning and promote code reusability.
* Provisioned **AWS** infrastructure resources using **JSON/YAML**-based CloudFormation templates.
* Developed controlled **CloudFormation** templates for flexible resource configuration during stack formation.
* Utilized **AWS** CloudFormation Designer to create and visualize infrastructure templates.
* Built **Ansible** playbooks and roles to automate the installation and setup of servers, programs, and services.
* Integrated Ansible into **CI/CD pipelines** using **GitLab CI/CD** for continuous integration and delivery.
* Managed **Docker** images using private registries and **Docker Hub** for storage and delivery.
* Successfully integrated **Twistlock** into the containerized environment, providing real-time visibility into vulnerabilities, compliance violations, and runtime threats across **Docker and Kubernetes**.
* Developed **Kubernetes** clusters for container orchestration, deployed them into application, and maintained them functioning.
* Used **YAML manifests** and **Helm charts** for deploying and managing containerized applications on **Kubernetes**.
* Containerized applications using **PCF's container** runtime, enabling the adoption of microservices architecture, and providing seamless orchestration and scaling.
* Set up **Jenkins** for automating development, testing, and deployment of applications.
* Successfully led and executed end-to-end migration in this project, transferring on-premises infrastructure and applications to **AWS** cloud environments.
* Integrated **Jenkins** with version control tools like **Git** to automate builds and deploys.
* Performed static code analysis and code vulnerabilities using tools like **SonarQube, Fortify, Veracode** reviewing codebase for potential security risks and guiding development teams in implementing necessary fixes.
* Spearheaded efficient version control by expertly utilizing **Git** commands and workflows, ensuring seamless collaboration among distributed teams, and enabling swift bug fixes and feature enhancements.
* Proficiently managed and maintained **Git** repositories on platforms like **GitLab** and **Bitbucket**, employing advanced branching and merging strategies to ensure code integrity and timely delivery of high-quality software.
* Played a pivotal role in project success by diligently maintaining **Maven build** files (pom.xml), resulting in streamlined project structures, standardized dependencies, and accelerated development cycles.
* Optimized build processes through continuous improvement and automation, significantly reducing build times and enhancing overall project stability, resulting in a more efficient and reliable software delivery pipeline.
* Utilized **Maven's** dependency management features to control project dependencies and versioning.
* Implemented proactive alerting strategies in AppDynamics to promptly identify and respond to anomalies and performance degradation.
* Utilized **NewRelic APM** to monitor application’s health, diagnose performance issues, and optimize response times for critical transactions.
* Designed, implemented, and maintained **Splunk** infrastructure for log management, analysis, and monitoring.
* Developed and improved **Splunk** search queries and filters for extracting useful information from log data.
* Utilized **Splunk's** alerting and notification features for proactive event detection and response.
* Utilized **Amazon** CloudWatch Logs to collect, store, and analyze application and system logs, aiding in troubleshooting and root cause analysis.
* Utilized tools like **Docker** and **Kubernetes** to deploy and orchestrate **Go-based microservices.**
* Designed reusable and parameterized **phyton** scripts to deploy complex architectures, promoting consistency and scalability.

**Environment:** AWS EC2, S3, RDS, AMI, IAM, Redshift, Lambda, VPC,OWASP, CDC, Chef, Java, Git, Jenkins, Terraform, Python, Linux, Bash, Groovy, Subversion, Rest API, Ant, Maven, Nexus, U-deploy, SQL, Cloud Formation, Golang, Azure, OpenShift, Cassandra, Subversion, Selenium, UNIX, SVN, Docker, Jira, Python, Ruby, Shell Scripts, Tomcat, Ansible, Splunk.

**Client name: BJC Health Care, St. Louis MO Jan 2022-Sept 2022**

**Role: Sr. Azure Cloud Engineer**

* Performed cloud migrations and worked with clients and development teams to own the infrastructure components of the project.
* Design, implement and manage virtual networking within **Azure** and connect to on-premises environments, configure **Express Route, Virtual Network, VPN Gateways, DNS, and Load Balancer**
* Worked on **Azure** Site Recovery and **Azure** Backup- Deployed Instances on Azure environments and in Data centers and migrating to **Azure** using **Azure Site Recovery** and collecting data from all **Azure** Resources using Log Analytics and analyzed the data to resolve issues.
* Integrated b Functions with other Azure services such as **Azure** Logic Apps, Azure Event Grid, and **Azure** **Cosmos DB**, creating a comprehensive and interconnected cloud ecosystem.
* Installed and Configured **Log Analytics**. Creating Change Management Dashboard in **Azure** cloud to monitor the success and failure of live deployments.
* Used **Terraform** to reliably version and create infrastructure on **Azure**. Created resources, using **Azure** **Terraform modules**, and automated infrastructure management.
* Connected **Terraform** with **Ansible**, to implement infrastructure orchestration and configuration management.
* Controlled and maintained multiple environments (**development, staging, production**) using **Terraform** workspaces.
* Implemented infrastructure versioning and change management using **Terraform** state files and version control systems like **Git**.
* Implemented Ceilometer Telemetry Service to create and collect measurements across **OpenStack**.
* Monitored running stacks and events on the **OpenStack Cloud**.
* Managed **Azure Resource Manager (ARM**) templates throughout their lifecycle, including creation, updates, and deletion.
* Configured **Ansible** Vault to secure secret information and sensitive data within playbooks and roles.
* Integrated **Ansible** into continuous integration and delivery pipelines, leveraging tools like **Jenkins and GitLab** **CI/CD**.
* Utilized **Docker** volumes to persist data and manage data sharing between containers and the host system.
* Integrated Docker into **CI/CD** pipelines for automated container builds and deployments using tools like **Jenkins** and **GitLab CI/CD**.
* Implemented **Kubernetes** secrets and **ConfigMaps** to manage sensitive data and configuration settings.
* Implemented and managed a containerized application deployment on **Azure** Cloud using **Azure** **Kubernetes**
* Improved the performance of **SQL** Scripts by using **Object** Role Modelling methodology.
* Service (**AKS**) to achieve scalability, reliability, and cost efficiency.
* Implemented rolling updates and rollback strategies for seamless application updates and deployments.
* Configured and managed **Jenkins** agents/nodes for distributed builds and deployments.
* Integrated automated testing tools and frameworks into **Jenkins** pipelines for quality control.
* Collaborated with team members using **Git** for code repositories, code reviews, and merge conflict resolution.
* Utilized **Git** tags and releases to mark important milestones and versions in the codebase.
* Automated project builds and testing using **Maven**, leveraging its lifecycle phases (clean, compile, test, package, deploy).
* Configured **Maven** plugins to extend build functionality and perform tasks such as code generation, code quality checks, and documentation generation.
* Utilized **ARM** templates to seamlessly integrate **Azure** Monitor and Application Insights, enabling comprehensive monitoring of resource health, performance, and application behavior.
* Designed, developed, and maintained the **NewRelic** monitoring infrastructure for real-time application performance monitoring.
* Employed Newrelic agents to gather performance information from various components such as server’s applications, databases, and third-party services.
* Orchestrated complex deployment workflows using **Azure PowerShell** tasks within release pipelines.
* Automated the retrieval of **Azure** activity logs and metrics data for analysis and reporting using **PowerShell**.
* Utilized Java programming skills to design, develop, andmaintain **DevOps tools** and automation frameworks, enhancing efficiency and streamlining workflows in an **Azure** project.
* Implemented database monitoring and performance tuning to optimize query performance and identify bottlenecks.
* Integrated databases with **DevOps** tools like **Jenkins** and **Azure** **DevOps** for automated database deployments and continuous integration.
* Created **Azure SQL database**, performed monitoring and restoring of **Azure SQL database**. Performed migration of **Microsoft SQL server** to **Azure SQL database**.
* Worked in **Linux** administration and system configuration, with expertise in various **Linux** distributions such as **CentOS, Ubuntu, Red Hat Enterprise Linux**.
* Developed **Kickstart** configurations for streamlined and consistent **Linux** installations across multiple systems.

**Environment:** Azure DevOps, Kubernetes, Docker ACS & AKS, Prometheus, Splunk, Terraform, Ansible, Jenkins, Git, Azure Boards, Maven, SonarQube, Python, PowerShell, YAML, VSTS, Visual Studio Code, Tomcat, Nginx, Linux, Windows servers 2012/2016

**Client name: M&T Bank, Buffalo, New York Sept 2019-Dec 2021**

**Role: Cloud Platform Engineer**

* Utilized **AWS** **CloudWatch, CloudTrail, and AWS X-Ray** in the **DevOps** environment for monitoring, logging, and troubleshooting applications and infrastructure.
* Implemented automatic backups, disaster recovery, and high-availability solutions using AWS services like **AWS** **Backup, Amazon** **RDS**
* Developed and managed **AWS** networking components such as **VPC**, subnets, and security groups using custom scripts or **AWS** CloudFormation.
* Hosted applications on **GCP** using **Compute Engine, App Engine, Cloud SQL, Kubernetes Engine, and Cloud Storage**.
* Possess excellent knowledge of cloud design constraints and their impact on pricing, including IP subnetting, routing, firewall policies, virtual private clouds, load balancers, cloud **DNS**, cloud **CDN**, and other networking concepts and protocols.
* Used **Git** or other source code management systems for version control of CloudFormation templates.
* Designed, implemented, and maintained infrastructure using Chef for configuration management and application deployment.
* Created Chef cookbooks and recipes to automate the provisioning and setup of servers, applications, and services.
* Implemented role-based settings in Chef to control the configuration of different server roles or application stacks.
* Designed, executed, and maintained **Bamboo** deployment projects and build plans for **CI/CD** processes.
* Integrated version control systems like **Git** or **SVN** with **Bamboo** to trigger automated builds and deployments on code commits.
* Configured **Bamboo** agents to perform build and deployment tasks across distributed environments.
* Designed, implemented, and maintained **Bitbucket** repositories for collaborative software development and version control.
* Collaborated with team members using **Bitbucket** for code review, pull requests, and repository management.
* Integrated **Maven** with **CI** solutions like **Jenkins** or **Bamboo** for automated builds and deployments.
* Implemented **Maven** profiles to manage environment-specific configurations and build variations.
* Published project artifacts to **Maven** repositories for distribution and sharing.
* Designed, implemented, and maintained Nagios monitoring infrastructure for proactive monitoring and alerting of IT systems.
* Implemented Nagios to monitor various components, including servers, network devices, software, and services.
* Created custom Nagios plugins or utilized existing plugins to monitor specific metrics or perform specialized checks.
* Implemented file **I/O** operations in **Python** scripts for reading, writing, and manipulating data files.
* Developed scripts for data processing and analysis using **Python** libraries like **Pandas or NumPy**.
* Used **Python** for automating data collection procedures and **web scraping** from websites.
* Created and implemented **PowerShell scripts** for Active Directory administration, including user management, group policy management, and security auditing.
* Integrated **PowerShell** scripts with **Microsoft Azure, Office 365**, or other cloud platforms for resource management and task automation.
* Developed **Bash/Shell** scripts to automate routine tasks and system administration activities such as file operations, process management, and system monitoring.
* Implemented database security measures, including user access controls, encryption, and auditing.
* Implemented database replication or clustering for high availability and fault tolerance.
* Integrated **Kickstart** with infrastructure provisioning tools like **Ansible** or **Terraform** for automated system deployment and configuration.

**Environment:** Amazon Web Services, Jenkins, Ansible, Kubernetes, Python, Jira, Web logic, UNIX, VMware, Artifactory, Shell, Perl, JSON, Docker, Git, GitHub, Bitbucket, ELK.

**Client name: Auto Desk, Hyderabad, Telangana April 2017-Aug 2019**

**Role: AWS Engineer**

* Design roles and groups using **AWS** identity and access management (**IAM**), and manage network using Security Groups, Network Access Control Lists with services provided by **IAM**.
* Document system configurations, Instances, Operating Systems, and AMI build practices, backup procedures, troubleshooting guides, and safe keep infrastructure and architecture updated with appending.
* Designed, developed, and maintained infrastructure automation using **Puppet** for configuration management and application deployment.
* Created **Puppet** modules and manifests to automate the installation and configuration of servers, programs, and services.
* Implemented **Jenkins** plugins for static code analysis, code coverage reports, and code quality analysis.
* Implemented environment-specific configurations and parameterized builds to enable deployment across various environments.
* Integrated **Jenkins** with artifact repositories (e.g., **Nexus Artifactory**) for artifact management and versioning.
* Managed user administration, authorization techniques, and **Jenkins'** security and access restrictions.
* Utilized **Git** submodules or sub repositories to manage shared code between projects and dependencies.
* Developed and maintained **Ant build scripts** (build.xml) to handle dependencies, build parameters, and project structure.
* Configured **Nagios** escalation policies and notification channels to ensure timely and effective incident response.
* Implemented **Nagios** dashboards and visualizations for real-time system health and performance monitoring.
* Improved data file handling with file I/O operations in **Python** scripts for reading, writing, and altering data files.
* Developed scripts to interact with **APIs** and **web services**, programmatically retrieving information or performing activities.
* Created **Perl** scripts for task execution and automation to enhance productivity and reduce human error.
* Developed scripts for log analysis and parsing, extracting relevant information, and generating reports.
* Integrated Java applications with version control systems like **Git** to automate the build and release processes.
* Implemented various types of automated testing in **Java**, including end-to-end tests**, unit tests, and integration tests.**
* Implemented .**NET**-based monitoring systems, integrating with **Prometheus, Grafana**, or Application Insights for real-time system monitoring and metrics collection.
* Utilized **.NET** for infrastructure provisioning and configuration management using tools like **Terraform** or **Ansible**.
* Implemented database indexing and query optimization techniques to improve application performance and response times.
* Managed database schema using tools like **Database Change Management** (DCM) or database versioning frameworks.
* Accelerated application performance and response times through the implementation of database indexing and query optimization techniques.
* Proficient in setting up firewalls, managing users, and controlling access to **Linux** systems.
* Utilized virtualization technologies such as VMware or VirtualBox, including creating and managing virtual machines.

**Environment:** Java/J2EE, Python, WebLogic, UNIX, VMware, Shell, Perl, IAM, S3, EBS, EC2, Cloud Watch, Cloud Formation, Puppet, Docker, Chef, GIT, GitHub, Maven, Jenkins., Nexus, WebLogic 8, TOMCAT 7/8, Python Scripts, Perl Scripts, Ruby Scripts, XML, Unix, JIRA, Ant,Nagios.

**Client name: Numeric Technologies, Hyderabad, Telangana July 2015- March 2017**

**Role: Systems Administrator**

Responsibilities:

* Installed, Configured and Administered **WebSphere** Application Server ND/XD 6.1/7.0 on **Red Hat Linux platform.**
* Used **WSINSTANCE** to create multiple **WebSphere** instances from the command line.
* Developed a stream filtering system using Spark streaming on top of **Apache Kafka**.
* Configured Apache Kafka and zookeeper with the help of team members.
* Built **ESXi** Servers as well as several hundred plus VM’s Windows servers mainly 2008 R2 ,2012 and 2016 Servers.
* Install, configure and management of windows servers 2008, 2008 R2, 2012 and 2016.
* Automated administrative tasks using **PowerShell and VB script**.
* Used **bash, awk, sed and Perl** to automate most of the daily activities like logs monitoring, log rotation, disk spaces, purging and error detections using **SolarWinds, Nagios XI**.
* Develop **Linux** shell scripts to accomplish redundant tasks to simplify in distributed administration.
* Administered **Linux** servers for several functions including managing **Apache/Tomcat** server, mail server, **My-SQL** database, and firewalls in both development and production. Installation and configuration of **Solaris, Linux** for new build environment.
* Handling Projects and providing performance and capacity analysis reports and recommendations to customer requirements.
* Cloning, Building, and deploying new **VM's** and installing different guest OS like **Windows** server 2003/2008/2012 and **Linux**. Creating virtual **NIC's** for the respective **VM's** and assigning the network connections to a particular port group in the Switches.

Environment: RedHat, Linux, Windows, Bash, PowerShell, Nagios, Kafka

**Client name: Vensai Technologies, Visakhapatnam, Andhra Pradesh May 2014-June 2015**

**Role: System Engineer**

**Responsibilities:**

* Installed & Configured **RHEL(RedHat) & CentOS**, Virtual Machines in **VMware** ESXi using vCenter Server and **vSphere** Client.
* Using **VMware vCenter**, created Datacenter Environment by creating **VMware** clusters, adding **ESX** hosts in the clusters, and implemented **HA and DRS**.
* Network troubleshooting and worked with utilities like **netstat, iostat, vmstat, sar,** top and various third-party tools to troubleshoot user applications, file systems space issues, network problems, hardware issues related to disks, memory modules.
* Responsible for maintaining **Linux** servers (**RHEL and Centos**) and **Windows** as well as ensuring the health and stability of the server. This included trouble shooting possible package/library conflicts using various OS server, and application logs to pinpoint the problem for it to be corrected.
* Responsible for **Active directory, GPO, Domain users, Administrating users** and groups and given appropriate permissions and privilege to access our **LAN and Domain environment**. Experienced in writing of shell scripts for automating the administrative tasks and managing using cron jobs.
* Configured Linux servers like FTP, NFS, Telnet, SSH, Sendmail, Apache and Package Management using RPM and Yum.
* Good patch management experience on both physical and **Virtual Linux/OEL** servers on **VMware** and **PCAServers**, **Zones/LDOM, using Red Hat Satellite**. Setup configured and maintained **NFS, NIS, and TCP/IP** network, setting up **SSH** and **SCP** features between hosts.
* Worked on Linux Kick-start OS integration, **DDNS, DHCP, SMTP, Samba, NFS, FTP, SFTP, SSH, LDAP** integration and troubleshooting servers using utilities like **netstat, iostat, vmstat, top, ipconfig** etc. Worked with User Administration commands like user add, group adds, passwd, chmod, chgrp, usermod. Setting up of NFS environment. Taking care of user accounts/groups using NFS Management.
* Resolving **TCP**/IP network access problems for the clients. Develop, Maintain, update various scripts for services (start, stop, restart, recycle) **UNIX** based shell. Working on troubleshooting the triggered alarms generated from VMware vCenter Server and solving SNMP traps rise in vCenter.

**Environment:** RedHat, Linux, Windows, Bash, PowerShell.