**Kranti**

**Cloud DevOps Engineer**

**Career Objective:**

Overall, **10 years** of experience offering outstanding services in **IT industry** with strong background in **Linux Administration**, **Build & Release**, **DevOps**, **Azure & AWS Cloud** Infrastructure and knowledge of different practices including but not limited to **Configuration Management, Git, Mavens, Ansible, Chef, Puppet, VSTS, Containerization, Continuous Integration** and **Continuous Delivery, Change Automation and Orchestration.**

**Professional Summary:**

* Strong expertise on System administration and implementing DevOps tools like Ansible and puppet for Continuous Integration and Continuous Deployment with build tools using Jenkins, Bamboo, Maven on Cloud Infrastructure using AWS and azure and on-premises virtualization using VMware.
* Experience working on Windows Server 2008/2008R2/2012, Business Intelligence in SQL Server Integration services and SQL Server Reporting Services.
* Experience in administrating, configuring, managing Red Hat distributions and Virtualization with VMware vSphere ESXi 5.x/4.x, vCenter 5.x/4.x.
* Implemented on click deployment using Ansible, AWS and implemented a completely elastic and scalable infrastructure in the cloud using Jenkins, Ansible.
* Hands on experience in Azure Development, worked on Azure web application, App services, Azure storage, Azure SQL Database, Virtual machines, Azure AD, Azure search, and notification hub.
* Managed Kubernetes charts using Helm. Created reproducible builds of the Kubernetes applications,
* Expertise in AmazonAWSCloud Administration which includes services likeEC2, S3, Glacier, EBS, ECS, ECR, VPC, ELB, NLB, AMI, SNS, RDS, IAM, Route 53, Autoscaling, Elastic Beanstalk, Lambda, Sagemaker, Snowflake, Elastic search, Cloud Front, Cloud Watch, Cloud Trail, Security Groups etc.
* Experience in working on DevOps/Agile operations process and tools are (Unit test automation, Build & Release automation, Environment, Service, Incident and Change Management).
* Automated deployment pipelines using Jenkins, Docker, and Kubernetes, reducing deployment time by 30%.
* Enhanced CI/CD workflows by integrating Backstage.IO with GitLab CI/CD, enabling seamless code deployment and version control.
* Involved in design, implementation and modifying the **Python** code.
* Used **Azure Container Services** with **Kubernetes** for Orchestrating the servers.
* Created **Non-Prod** and **Prod** Environments in **Azure** from **scratch**.
* Developed **website** both frontend and backend modules using Python **Django** Web Framework.
* Expertise in writing Infrastructure as a code (IAC) in Terraform, Azure resource management, AWS Cloud Formation. Created reusable Terraform modules in both Azure and AWS Cloud.
* Experience in creating and executing Data pipelines in GCP and AWS platforms.
* Experience in Deploying applications in cloud servers like Azure and knowledge of AWS clouds.
* Hands-on experience in GCP, Big Query, GCS, cloud functions, Cloud dataflow, Pub/Sub, cloud shell, GSUTIL, by command-line utilities, Data Proc.
* Expertise in managing AWS infrastructure using tools like CloudFormation or Terraform. Showcase your ability to provision and manage SageMaker resources programmatically.
* Experienced in Using Jenkins pipelines to drive all Microservices builds out to the Docker registry and then deployed to Kubernetes, Created Pods and managed using Kubernetes.
* Scalability benchmarking with MongoDB and NoSQL database.
* Experienced with setting up CI/CD pipeline using Atlassian tools-Bitbucket, JIRA, Bamboo, Confluence and Fisheye.
* Experience in managing and maintaining IAM policies for organizations in AWS to define groups, create users, assign roles and define rules for role-based access to AWS resources.
* Proficient in using all amazon web services like EC2, EBS, IAM, S3, ELB, RDS, VPC, ROUTE 53, Cloud Watch, Kinesis, KMS, Cloud Formation Templates.
* Implemented authentication and authorization mechanisms for APIs using OAuth 2.0, JWT, and API keys.
* Integrated API monitoring and logging solutions (e.g., Prometheus, Grafana, ELK stack) to track performance, usage, and errors.
* Responsible for Configuring Kafka Consumer and Producer metrics to visualize the Kafka System performance and monitoring
* Worked for 5 scrum teams (Java, AEM, Jenkins, Ant, Maven, SVN, git, Agile methodology, cucumber scripts, sonar, XL Deploy and XL Release, SharePoint, CI/CD automation from scratch, Docker)
* Experience in Log Insight and Cloud Watch services to diagnose problems and configuring alerts.
* Expertise in architecting secure VPC Solutions in AWS with the help of Network ACLs, Security groups, public and private network configurations.
  + - * Designed and implemented GitOps pipelines to automate the deployment of Kubernetes manifests and Helm charts using Git repositories.
* Worked on implementing backup methodologies by Power Shell Scripts for Azure Services like Azure SQL Database, Key Vault, Storage blobs, App Services etc.
* Created Azure services using ARM templates (JSON) and ensured no changes in the present infrastructure while doing incremental deployment.
* Managed and maintained Electronic Health Records (EHR) systems, ensuring availability, reliability, and data integrity.
* Developed Ansible playbooks to automate the deployment of Electronic Health Records (EHR) systems, reducing deployment time from hours to minutes.
* Implemented version-controlled configuration management for EHR environments, ensuring consistency and repeatability.
* Configured the XL Deploy and XL Release for all the applications from scratch, once the build package is available, then promoted with simple enable options to deploy in the targeted servers.
* Hands on experience in setting up database in AWS using RDS, storage using S3 bucket and configuring instance backups to S3 bucket to ensure fault tolerance and high availability.
* 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
* Experience working in a containerized environment using Docker and Aws ECS and EKS
* Assigned RBAC policies Confidential group level and user level as per the LTA created for the services implemented new (Automation account, scheduler, notification hub, IOT Hubs, Batch and other services)
* GIT and GIT Hub experience in a collaborative development environment.
* Coordinate/assist developers with establishing and applying appropriate branching, labelling/naming conventions using GIT and Subversion (SVN) source control and to migrate from SVN.
* Worked on Implementing Monitoring Templates in SolarWinds and Automating Installation of SolarWinds Server in Cloud Environment using terraform and Ansible.
* Experience with serverless architecture such as ECS fargate and microservices
* Experience in working over **Apache Spark, Kafka, Hadoop, and Cassandra** under the environment of **Apache Airflow**.
* Experienced on troubleshooting experience on Ansible related implementation and playbook executions.
* Used Chocolatey to create packages of required application and automate deployment of packages by writing YAML modules in Puppet hiera.
* Extensively worked on Jenkins and Bamboo for Continuous Integration, Cloud SDK Integration and for End-to-End automation for all build and deployments.
* Expert in deploying the code through web application servers like Web Sphere/Web Logic/Apache Tomcat/JBoss and their installation, configuration, management, and troubleshooting.

**Technical Skills:**

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| **Cloud Computing** | AWS (EC2, IAM, Azure, Elastic Beanstalk, and Elastic load balancer (ELB), S3, RDS, (MYSQL), Glacier, Route 53, VPC, etc.), OpenStack Platform Cloud Foundry, Google Cloud Platform (GCP) |
| **Source Control Tool** | GIT, GITHUB, Bitbucket, Subversion |
| **CI/CD Tools** | Jenkins, Bamboo, Ansible, Chef, Puppet, Docker, Terraform, Kubernetes |
| **Repositories** | Nexus, Artifactory |
| **Languages** | Python, Perl Scripting, Shell Scripting, Java, Bash, Golang**,** Ruby |
| **Web Servers** | WebLogic, WebSphere, Apache Tomcat, Apache Airflow |
| **Virtualization** | VMware, vSphere 5.0, 5.5 |
| **Tracking Tools** | Jira, Remedy, ServiceNow |
| **Build Tools** | ANT, MAVEN, GRADLE |
| **Databases** | Oracle, SQL SERVER, MYSQL |
| **Monitoring Tools** | Nagios, Cloud Watch, Splunk, AppDynamics, Dynatrace |
| **Networking/Protocols** | DNS, TCP/IP/ FTP, HTTP, SSH, SFTP, SCP, SSL, ARP, DHCP |
| **Operating Systems** | Sun Solaris 7, 8, 9 & 10 Linux (Red Hat 5.x, 6.x, 7. x’SUSE Linux 10, AIX VMware ESX, Windows NT/2000/2003/2012, Centos, Ubuntu. |

**Professional Experience:**

**Client: PG&E, San Ramon, California Dec 2021 - Till Date**

**Role: Sr. Cloud DevOps Engineer**

**Responsibilities:**

* Created AWS Cloud Formation templates to create custom-sized VPC, Subnets, EC2 instances, ELB, Security Groups. Worked on tagging standard for proper identification and ownership of EC2 instances and other AWS Services like CloudFront, CloudWatch, Ops works, RDS, ELB, EBS, S3, Route53, SNS, SQS, KMS, Cloud Trail.
* Created AWSRoute53 to route traffic between different regions and configure AWSIAM and Security Groups in Public and Private Subnets in VPC.
* Maintained maximum uptime and maximum performance capacity for enterprise production, QA and UAT/staging.
* Experience in infrastructure as a code automation and configuration management of VMs on Azure, AWS and VMware using Terraform, Azure ARM and Cloud Formation.
* Creating, validating and reviewing solutions and effort estimate of converting existing workloads from classic to ARM based Azure Cloud Environment
* Managed and maintained Electronic Health Records (EHR) systems, ensuring availability, reliability, and data integrity.
* Automated infrastructure provisioning and configuration using Ansible, reducing manual errors and improving system reliability.
* Orchestrated containerized workloads using Kubernetes, ensuring scalability and high availability of critical healthcare services.
* Collaborated with development and operations teams to define infrastructure-as-code (IaC) templates using Terraform, enabling version-controlled infrastructure changes.
* Implemented monitoring and alerting solutions to proactively detect and mitigate issues in healthcare systems, ensuring high availability and performance.
* Conducted security assessments and implemented best practices to ensure compliance with HIPAA and other regulatory requirements.
* Conducted regular security audits and vulnerability assessments to ensure compliance with industry standards and regulations.
* Developed automation system using PowerShell scripts and JSON templates to remediate the Azure services
* Worked on GIT to maintain source code in Git and GitHub repositories
* Implemented various design patterns. Front Controller, Session Facade, Business Delegate, etc. in Presentation and Business layer using Struts frameworks and session EJBs.
* Create new API using GoLang and Docker.
* Experience setting up monitoring and logging solutions for SageMaker using AWS CloudWatch or third-party tools like ELK stack (Elasticsearch, Logstash, Kibana) to track model performance, resource utilization, and troubleshooting.
* Developed GoLang software to handle concurrent data collection and processing with goroutines and channels.
* Building/Maintaining Docker container clusters managed by Kubernetes Linux, Bash, GIT, Docker, on AWS cloud and GCP.
* Implemented cluster services using Docker and Azure Kubernetes services (AKS) to manage local
* 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 high availability with Azure Classic and Azure Resource Manager deployment models.
* Utilized Kubernetes and Docker for the runtime environment of the CI/CD system to build, test deploy.
* Migrated several Java Batch Applications and Services from the On-premise infrastructure to AWS Cloud and Migrated the Java REST API built on the Drop Wizard framework to AWS cloud platform.
* 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.
* Implemented HTTPS Ingress controller and use TLS on AKS to provide reverse proxy,
* Experience in Designing, Architecting, and implementing scalable cloud-based web applications using AWS and GCP.
* Installed and maintained IBM Mainframe operating systems, MVS/4.22 to OS/390 1.10
* Build data pipelines in airflow in GCP for ETL-related jobs using different airflow operators.
* Generated workflows through Apache Airflow, then Apache Oozie for scheduling the hadoop jobs which controls large data transformations.
* Managed API gateway configurations and policies to control access, rate limiting, and traffic routing.
* Implemented API versioning strategies to support backward compatibility and facilitate seamless upgrades.
* Worked closely with stakeholders to define API specifications, documentation, and usage guidelines.
* Automated API testing and validation processes using tools like Postman and Swagger.
* Troubleshooted and resolved performance issues, latency bottlenecks, and API errors in production environments.
* Provided technical support and guidance to development teams on API design, implementation, and deployment.
* Used cloud shell SDK in GCP to configure the services Data Proc, Storage, Big Query
* Worked parallelly in both GCP and AWS Clouds coherently.
* Designed User Defined Routes with custom route tables for specific cases to force tunneling to the Internet via On-premise network and control use of virtual appliances in the customer& Azure environment.
* Implemented Pod security policies (PSP) in AKS for required best practices and the ability to control what pods to be controlled, scheduled in AKS cluster prevents some possible security vulnerabilities or privilege Escalations
* Used Kubernetes to deploy scale, load balance, scale and manage Docker containers with multiple namespace versions.
* Used AWS Beanstalk for deploying and scaling web applications and services developed with Java, Python, Ruby.
* Worked on Terraform for automating VPCs, ELBs, security groups, SQS queues, S3 buckets, and continuing to replace the rest of our infrastructure. Using Terraform as a tool, managed different infrastructure resources Cloud, VMware, Bare Metal Servers, and Docker containers.
* Written Terraform templates, Chef Cook books pushed them onto Chef for configuring EC2 Instances and Solved Gateway time issue on ELB and moved all the logs to S3 Bucket by using Terraform.
* Skilled in monitoring servers using Nagios, CloudWatch.
* Experienced is using Tomcat, WebLogic, and WebSphere Application servers for deployments
* Familiarity creating professional-quality automation scripts using a modern scripting language such as Ruby, YAML, or PowerShell
* Managed GIT repositories for branching, merging, and tagging.
* Involved in integrating the GIT into the Puppet to ensure the integrity of applications by creating Production, Development, Test, and Release Branches.
* Involved in writing Chef Cookbooks and Recipes to automate the deployment process and to integrating Chef Cookbooks into Jenkins jobs for CD framework.
* Used Microservices architecture, with Spring Boot based services interacting through a combination of REST and Spring Boot.
* Developed Perl and shell scripts for automation of the build and release process, developed Custom Scripts to monitor repositories, Server storage.
* Implemented behavior-driven tests for Chef-managed infrastructures using Cucumber. Built automated deployment systems in Go and Node.js.

**Environment:** AWS (EC2, S3, GCP, ELB, Autoscaling Servers, SNS, SQS, Route53, CloudWatch, CloudFront, CloudFront, IAM), Azure, Kubernetes, Docker, Ansible Tower, Jenkins, ANT, MAVEN, Nagios, Ruby, GoLang, YAML, Terraform, PowerShell, GIT, Subversion, JIRA, Artifactory.

**Client: Dover Corp, Chicago, IL Nov 2020 – Nov 2021**

**Role: AWS DevOps Engineer**

**Responsibilities:**

* + Maintained maximum uptime and maximum performance capacity for enterprise production, QA and UAT/staging.
    - Configured AWS terraform templates for provisioning virtual networks, VM Scale sets, Load balancers and NAT rules and used terraform graph to visualize execution plan using the graph command.
    - Expertise in AWS, experience in implementing new AWS instances and working with EBS and S3 storage, IAM.
* Worked on AWS environment setup strategies and managed multiple AWS accounts wif multiple vpc’s for both production and non-prod where primary objectives included automation, build, and integration practical implementation ofAWSCloud Services likeEC2,S3,VPC, NACL’s, Subnets, Internet gateway,NAT, Route table, CloudFormation, IAM, NLB (network load balancer), ELB, EBS,AWS Lambda, ECR,EKS,Route53, DirectConnect, Document DB, ELB, NLB, ElasticCache (Redis), Sagemaker. Used amazon KMS for Storing and managing Keys used in application access.
  + - Provisioned EC2 instances into AWS by using Terraform scripts from scratch to pull images from Docker and performed AWS S3 buckets creation, policies on IAM role-based policies and customizing the JSON template.
    - Configured and managed continuous integration and deployment (CI/CD) pipelines using AWS Code Pipeline, automating the build, test, and deployment processes for cloud-native applications, improving development efficiency and deployment quality.
    - Implemented Terraform modules for deployment of various applications across multiple Cloud providers and managing-infrastructure.
* Implemented automated testing frameworks for Backstage.IO plugins using Selenium and Jest, improving code quality and reliability.
* Implemented GitOps practices to automate infrastructure provisioning and deployment processes, utilizing tools such as FluxCD and Argo CD.
* Designed and maintained CI/CD pipelines using Jenkins and GitLab CI/CD to enable continuous integration and delivery of software applications.
* Orchestrated containerized workloads on Kubernetes clusters, ensuring high availability and scalability of microservices architecture.
* Collaborated with development teams to define infrastructure as code (IaC) templates using tools like Terraform and Ansible.
* Automated configuration management tasks using Git repositories as the source of truth, enabling version-controlled changes and rollback capabilities.
* Conducted regular code reviews, performance tuning, and optimization to improve the efficiency and reliability of GitOps workflows.
  + - Designed and implemented scalable, secure cloud architecture based on Amazon Web Services.
    - Validated deployments in Kubernetes (EKS) by establishing a local development workflow that used Minikube and implemented Kubernetes interface by creating RESTful APIs to read, delete, store and update bucket information on Kubernetes Console.
    - Configured and managed AWS Elastic Load Balancers (ELBs) using Boto3, ensuring that traffic was efficiently distributed across multiple instances.
    - Implemented between SageMaker and other AWS services such as S3 for data storage, AWS Lambda for serverless computing, or AWS Glue for data preparation.
* Provisioned and configured teh AWS managed services ElastiCache (Redis), Elasticsearch -7.9, AWS Sagemaker, and configured teh Confidential's enterprise proxy for Jupyter Notebooks in our AWS environment.
  + - Build Jenkins jobs to create AWS infrastructure from GitHub repos containing Terraform code and administered/engineered Jenkins for managing weekly builds.
* Collaborated with development teams to define infrastructure requirements and provide guidance on best practices for deploying and managing Backstage.IO services.
  + - Worked on AWS resources code commits as a version controlling system.
    - Used Kubernetes to deploy Scale, Load Balance and manage DOCKER containers with multiple namespace versions.
    - Designed and implemented Python scripts for automated provisioning and configuration of virtual machines using Ansible and Python's paramiko library.
    - Worked on Maven to create artifacts from source code deploy them in Nexus Central repository for internal deployments.
    - Developed Python scripts to integrate system monitoring tools (Prometheus and Grafana) with alerting systems, enabling proactive identification and resolution of performance issues.
* Developed Grafana dashboards for all containerized environments with intention for dashboards to dynamically scale with the environments without need for any dashboard code changes. Used template dashboards as well as a boom table panel to achieve the goal.
* Deployed serverless application with service as ECS fargate, ECR, Dynamo db
* Integrated EFS with ECS fargate
  + - Streamlined deployment workflows by incorporating Maven plugins for packaging, artifact deployment to repositories, and containerization (e.g., Docker) for consistent deployment
    - Architecting of cost-effective infrastructure by utilizing various AWS services and options.
    - Building of High Availability and Fault Tolerant infrastructure by utilizing various Amazon regions and availability zones.
    - Created multiple subnets within the private network and allowed network flow between them.
    - Involved in writing SQL queries to implement the scheme-related changes for internationalization and debugged the build errors using SQL queries to make sure the Database is not corrupted
    - Created Python scripts to perform regular security audits and vulnerability assessments, enhancing the overall security posture of the environment.
    - Administered and Implemented CI tool Jenkins for automated builds.

**Environment:** Red Hat, Linux, AWS, Jenkins, Ansible, Python, Terraform, EBS, Docker, Kubernetes, Grafana, Prometheus, Cloud Formation, AWS CLI, AWS Auto Scaling,

**Client: BCBS, Morrisville, NC October 2019 – November 2020**

**Role: DevOps Engineer**

**Responsibilities:**

* + Involved in redesign of the existing application using Microservice based architecture.
    - * Utilized Google Cloud's migration tools such as Google Cloud Migration for Compute Engine, Database Migration Service, and Transfer Appliance for efficient workload and data migration.
      * Leveraged Azure Site Recovery and Azure Database Migration Service for seamless replication and migration of workloads and databases.
      * Translated Azure infrastructure configurations to GCP using Infrastructure as Code tools like Terraform, ensuring consistent provisioning across environments.
      * Automated deployment pipelines using tools like Jenkins, GitLab CI/CD, or Google Cloud Build to streamline application deployment on GCP.
      * Containerized applications using Docker, facilitating consistent deployment and scalability on GCP's Kubernetes Engine (GKE) or Cloud Run.
      * Orchestrated containerized workloads using Kubernetes, implementing auto-scaling, load balancing, and zero-downtime updates.
      * Reviewed resource utilization, rightsizing instances, and implementing cost-effective solutions on GCP to optimize cloud spending.
      * Implemented GitOps principles to manage and maintain infrastructure across multiple environments, including development, staging, and production.
      * Collaborated with cross-functional teams to define GitOps best practices, standards, and guidelines for version control and change management.
      * Developed custom tooling and scripts to enhance GitOps workflows and integrate with existing systems and processes.
      * Conducted training sessions and workshops to educate teams on GitOps concepts, practices, and tools.
      * Provided support and troubleshooting for GitOps-related issues, ensuring timely resolution and minimal downtime.
      * Developed custom Gradle scripts and tasks to automate complex build processes, enhancing project efficiency and reducing manual intervention.
      * Leveraged Python within Ansible playbooks to define and enforce consistent server configurations across the infrastructure, ensuring scalability and security.
      * Repaired broken Chef Recipes and corrected configuration problems with other chef objects.
      * Developed Scripts and great ideas to automate system deployment to scale infrastructure.
      * Leading the automation of implementation and configuration work through Chef.
      * Deployment and implementation of Chef for infrastructure as code initiative.
      * Integrated Jenkins/Helm/Kubernetes/Vault with GCP to perform semi-automated and automated releases to lower and production environments.
      * Automated the creation of VM, security policies, instance templates, K8 cluster creation, databases and proxy using TF and Jenkins pipelines.
      * Used Kubernetes to deploy scale, load balance, scale and manage Docker containers with multiple name spaced versions.
      * Created pods and clusters using Kubernetes to orchestrate Docker containers to build application servers that span multiple containers and performed health checks of containers and created local cluster for deploying application containers
      * Implemented a continuous deployment pipeline with Jenkins and Jenkins workflow on Kubernetes.
      * Built Continuous Integration environment Jenkins and Continuous delivery environment.
      * Automated various infrastructure activities like Continuous Deployment, Application Server setup, Stack monitoring using Ansible playbooks and has Integrated Ansible with Jenkins.
      * Defined branching, labeling, and merge strategies for all applications in Git.

**Environment:** Linux (RHEL 6.x/7), AWS, Ansible, Kubernetes, Terraform, Azure, Jenkins, Maven, WebLogic 11/12, WebSphere 8.5.5, Mongo, MySQL, SolarWinds, Shell Scripting, Python, Git, Maven, Bamboo, VMware ESX 2.x & 3.x.

**Client: CGI. Hyderabad, India May 2009 - January 2015**

**Role: Linux Administrator**

**Responsibilities:**

* Build new VMware ESX Server 4.x/5.x on HP HW running Red Hat Enterprise Linux & Created different virtual machine-like Debian, windows 2003 & 2008 server, SuSE enterprise Linux using VMware Virtual Infrastructure Client tool and configured with EMC storage box.
* Responsible for performing tasks like Branching, Tagging, and Release Activities on Version Control Tools: SVN, GIT and migrated SVN into GIT.
* Manages Patches configuration, version control, service pack and reviews connectivity issues regarding security problem also Implemented NFS, Auto Mount, DNS, and LDAP related issues.
* Launching and configuring of Amazon EC2 Cloud Servers using AMI’s (Linux) and configuring servers for specific applications.
* Experience in REST API, cloud computing and provisioning/Creates VMs, computes Cluster, Pool, VIP, and Topology.
* Extensive experiences in configuration, troubleshoot, support with Dell iDRAC remote console server.
* Configure, support F5 BIG-IP and Citrix NetScaler (LTM & GTM), Load Balancer configuration including (VIP, POOL, Cluster, Compute).
* Developed Chef Cookbooks and Recipes to manage systems configuration.
* Deployed Puppet, Puppet Dashboard, and Puppet DB for configuration management to existing infrastructure and startup. Extensive experiences with version control tool like SVN, and GitHub.
* Extensively worked on Jenkins by installing, configuring, and maintaining for continuous integration (CI) and for End-to-End automation for all build and deployments.
* Good knowledge in CI (Continuous Integration) and CD (Continuous Deployment) methodologies.
* Experienced in working on DevOps /Agile operations process and tools area (Code review, unit test automation, Build & Release automation, Environment, Service, Incident and Change Management).
* Configuring, Automating and Deploying Chef, Puppet and Ansible for configuration management to existing Infrastructure.
* Knowledge in OpenSSL, SSL certification, LDAP, authentication, SSO, 2Fa, Firewall rules, Iptables
* Installation and configuration of web hosting administration such as FTP, SSH, RSH, Telnet, and HTTP.
* Network communication and protocols such as TCP/IP, NFS, DNS, LDAP, DHCP, NTP, SMTP and subnetting.
* Experiences on implementing and configuring monitoring tools like Nagios, SolarWinds, WPM.
* Installation and Configuration of Linux (Red Hat & SUSE) and IBM AIX servers/workstations for clients and provide support to servers.
* Monitored System Performance Managed Disk Space (Logical Volume Manger) and performed system Backup and Recovery.
* Configuring the NFS servers, setting up servers in network environment and configuring FTP/NTP/NIS/LDAP/Send Mail servers, clients for various departments and clients.
* Involved in maintenance of systems including patching, setting up Print Servers, Configuring File systems, using LVM/Veritas on HPUX/Linux/Sun Solaris OS, involving SAN environment.
* Performed P2V migrations of physical RHEL (5/6) servers to VMware environment using VMware Converter.
* Installed, configured, and performed management of services such as Apache for more than 250 Red hat Linux servers.
* Support of Applications like Apache Tomcat and Java based applications running on Linux machines for multiple clients.
* Experienced with installation and configuration of F5, Application Security Manager (ASM) load balancers in different datacenters.
* Clustering solutions for High Availability using tools such as VERITAS Cluster Server (VCS), MSCS, RHCS.
* Creating, cloning Linux Virtual Machines, templates using VMware Virtual Client 3.5 and migrating servers across ESX hosts.
* Worked on updating and developing new scripts using grep, awk and regular expression as per the requirements.

**Environment:** Linux (RHEL 5.x/6.x), Solaris, Apache Tomcat, Nagios, GIT.