**Durga Prasad**

**Sr. Cloud DevOps Engineer****Durgaprasad201204@gmail.com** **Contact: +1 (201) 204 2912**

**PROFESSIONAL EXPERIENCE:**

* Extensive hands-on experience with over 10 years in various aspects of the Software Development Life Cycle (SDLC), encompassing automation and DevOps practices. Possessing 6 years of dedicated experience as a DevOps engineer, specializing in Implementing CI/CD Pipelines, System Administration, Version Control Systems (VCS), Cloud Computing, Software Configuration Management (SCM), Containerization and Orchestration.
* Extensive hands-on experience with Amazon Web Services (AWS), proficient in utilizing a wide range of services including Cloud Formation, Elastic Load Balancer, Elastic Beanstalk, Cloud Watch, IAM, Server Migration, Route 53, SQS, VPC, S3, Dynamo DB, SNS, Glacier, RDS, EC2, ECS, EKS, and Lambda.
* Experience on Cloud innovations including Infrastructure as a Service, Platform as a Service and Software as a Service (IaaS, PaaS and SaaS) and experienced in leveraging these cloud service models to design, deploy, and manage scalable and efficient cloud-based solutions.
* Experience in creating S3 buckets in AWS and creating custom policies for access management for the clients using AWS IAM.
* Experienced in in configuring databases on AWS using RDS, setting up storage with S3 buckets, and establishing instance backups to S3 buckets through snapshot creation.
* Implemented server performance monitoring by creating alarms in AWS Cloud Watch specifically for CPU utilization.
* Extensive expertise in Azure development, encompassing Azure web applications, Azure Boards, Azure DevOps Pipelines, App Services, Azure Container Registry (ACR), Azure Kubernetes Service (AKS), Azure Blob Storage, Azure Database services, Azure VM’s, Azure AD, Azure DNS, Azure VPN Gateway and Notification Hub.
* Expertise in Azure infrastructure management, including Azure Web Roles, Worker Roles, SQL Azure, Azure Storage, Azure AD Licenses, Office365.
* Extensively built Jenkins jobs for continuous integration and implemented end-to-end automation for all build and deployment processes.
* Developed scripts and automation tools using Go (Go lang) to streamline repetitive tasks, automate system administration tasks, and improve operational efficiency.
* Built command-line interface (CLI) tools using go to interact with APIs, manage system resources, perform data processing, and automate workflows in Unix/Linux environments.
* Experience with the Azure Marketplace, proficient in searching and purchasing a wide range of applications and services.
* Experience in writing chef recipes, adding them to Chef Cookbooks and templates, and creating the run-list to automate the configuration management using the Knife tool.
* Extensive hands-on experience with build tools such as Maven and Ant.
* Experienced in authoring pom.xml files, executing releases with the Maven Release Plugin, and overseeing Maven repository management.
* Experience in creating the branching and release strategies in git and configured webhooks for triggering the Jenkins pipeline jobs and maintained source code remotely using GitHub.
* Experience in building artifacts using Maven, conducting thorough testing with JUnit and Selenium, ensuring code quality through SonarQube, and publishing artifacts to JFrog Artifactory.
* Experience in building Docker images, storing them in private Docker registries, and deploying them to Kubernetes clusters (including AKS, EKS, and OpenShift).
* Experienced in configuring Kubernetes clusters and deploying objects using Helm charts. Skilled in updating values in the values.yaml file within Helm charts.
* Created and managed infrastructure using Terraform, storing the state file remotely in S3, and ensuring state file locking with DynamoDB.
* Involved in change management using Ansible, Chef and Puppet and configured updates and applying security patches.
* Extensive hands-on experience in building deployment and build scripts, automating solutions using scripting languages including Shell Scripting (KSH, Bash), and Python.
* Hands on experience working with Dynamo DB, Mongo DB, MYSQL, SQL Server and Oracle 10g databases.
* Installed, configured, and managed monitoring tools including Nagios and AWS CloudWatch for resource monitoring, network monitoring, and log trace monitoring.
* Familiarity with various routed protocols including FTP, SFTP, SSH, HTTP, HTTPS, and Connect Direct. Experienced in utilizing version control tools such as Subversion (SVN) and Git.
* Proficient in working with various bug tracking tools such as JIRA, ServiceNow, and Azure Boards and experienced in utilizing Agile methodology for software development.
* Utilized Splunk for centralized log management within DevOps pipelines, aggregating logs from diverse sources including application servers, containers, and infrastructure components.
* Experience in Integrating Splunk with CI/CD tools such as Jenkins to monitor build and deployment processes, enabling real-time visibility into pipeline execution, status, and performance metrics.
* Experience in configuring Splunk alerts and dashboards to monitor application and infrastructure health in DevOps environments, proactively detecting issues and enabling rapid response and resolution.
* Experience in releasing and deploying large-scale Java/J2EE web applications. Proficient in Linux/System Administration, including RHEL, CentOS, and Amazon Linux.
* Solid understanding of the Software Development Life Cycle (SDLC), including analysis, planning, development, testing, implementation, and post-production analysis of projects.
* Experience in creating and managing multiple instances of Apache Tomcat, deploying various test applications for QA environments. Proficient in functional usage and deployment of applications on Apache Tomcat and WebLogic Server.
* Experienced in Splunk development, creating apps, dashboards, and data models. Coordinated with software development and QA teams to configure and deploy application packages on Apache Tomcat servers.
* Collaborated with engineers, QA, business, and other teams to integrate automated test efforts with the build system and address deployment and building issues effectively.
* Possess strong analytical skills, demonstrate excellent teamwork, leadership qualities, and effective oral and written communication skills.

**SKILL SET:**

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| **Cloud Platform:**  | AWS, Azure. |
| **AWS Services:** | AWS EC2, ELB, S3, EBS, VPC, Route 53, RDS, Auto-Scaling, IAM, SNS, SES, SQS, Cloud Front, Cloud Formation, Cloud Watch, Elastic Beanstalk. |
| **Azure Services:** | Azure VMs, Azure App service, Azure Functions, AKS, ACR, Azure Storage (Blob storage, File storage), Azure SQL Database, Azure Data Factory, Azure Virtual Network. |
| **Operating Systems:**  | UNIX, Linux, Windows Server. |
| **VCS Tools:** | Git, Subversion, GitHub, Bitbucket, Azure Repos. |
| **Build Tools:** | ANT, Maven, Gradle. |
| **CI/CD Tools:** | Jenkins, Bamboo, Gitlab, Argo CD, Harness. |
| **Artifactory Tools:** | Nexus, JFrog. |
| **Testing Tools:** | Junit, Selenium, Cucumber, SonarQube, Veracode, Trivy, Twist Lock. |
| **Container Tools:** | Docker, Kubernetes, OpenShift, Helm. |
| **IAC Tools:** | Terraform, CloudFormation, ARM Templates. |
| **CM Tools:** | Ansible, Chef, Puppet. |
| **Databases:** | MySQL, Postgres SQL, SQL server, Oracle DB, Cosmos DB, Dynamo DB, Mongo DB. |
| **Ticketing Tools:** | Jira, ServiceNow, Azure Boards. |
| **Networking:** | TCP/IP, FTP, TELNET, UDP, SMTP, ICMP, ISCSI, NFS, DNS, DHCP, WAN. |
| **Web/Application Servers:** | Httpd, Nginx, Apache Tomcat, JBOSS, WebLogic, WebSphere, Oracle Application Server. |
| **Virtualization:** | Oracle Virtual Box, VMware, Vagrant. |
| **Scripting Tools:** | Shell Scripting, Bash, PowerShell, YAML, Groovy, Python Scripting, Go Lang Scripting. |
| **Monitoring Tools:** | Prometheus, Grafana, Nagios, Splunk, ELK, CloudWatch, Azure Monitor, New Relic. |

**WORK EXPERIENCE:**

**Client: Elevance Health, Indianapolis, Indiana Apr 2023 - Present**

**Role: Sr. Cloud DevOps Engineer**

* Worked Extensively on Configuring and Provisioning of various Azure services including Virtual Machines, Storage accounts, App Services, Virtual Networks, Azure SQL Database, Azure Blob Storage, Azure Service Bus, Function Apps, Application Insights, Express Route using ARM Templates & Terraform Scripts.
* Experience in working with Azure Active Directory (Entra ID) for creating users & setting up the App Registration, Role Assignments, Service Principles and configured these entities within Azure Console and Azure CLI commands to establish secure and efficient communication between services.
* Configured and managed Blob storage and Azure files such as creating Storage accounts, setting up Content Delivery Networks (CDN), establishing custom domains, and managing access controls and Storage access keys.
* Working with query languages such as SQL, code languages such as Python and scripting languages such as PowerShell, M-Query (Power Query) and Windows batch commands.
* I actively engage with stakeholders from across the enterprise, leveraging my experience as an individual contributor and foster collaboration with cross-functional teams, contributing to the successful execution of daily tasks and projects.
* Supporting the lift-and-shift migration of workloads to the Azure cloud across various Azure products, including Operations Management Suite, Azure Site Recovery, and Azure Backup. Assisting in the setup and configuration of Azure infrastructure as required for projects.
* Implemented network programming solutions with Go Lang to develop custom network services, TCP/IP clients and servers, HTTP servers, and network protocols for communication between systems.
* Leveraged Go Lang's built-in concurrency features for parallel processing, concurrent execution of tasks, and efficient resource utilization in multi-threaded applications.
* Providing support, assistance and guidance with post-migration related issues, Available as an Azure advisor and escalation point for Azure related issues throughout the project.
* Performed Azure scalability configuration to establish a group of Virtual Machines (VMs) and configure Azure Availability and Scalability, ensuring high application availability. Additionally, implemented auto-scaling capabilities to dynamically adjust resources based on demand.
* Installed, configured, administered, and monitored Azure IaaS, PaaS, and Azure AD. Designed Network Security Groups (NSG) and Subnets. Developed and maintained Resource groups and Instances.
* Involved in creating Azure VMs, Networking services, VNet’s, Load Balancers, App Gateway, Traffic Manager, etc.
* Implemented high availability for IaaS VMs and PaaS role instances, enabling access from other services within the VNet through Azure Internal Load Balancer.
* Utilized Terraform to create Azure infrastructure, ensuring reliable versioning and employed Azure Terraform modules to provision resources and automate infrastructure.
* Developed CI/CD pipelines in Azure DevOps environments, defining dependencies and tasks. Proficient in implementing and managing continuous delivery systems and methodologies on Azure.
* Created end-to-end automation with CI procedures using Jenkins and automated Maven builds by seamlessly integrating them with CI tools like Jenkins.
* Configured Jenkins Master-Slave Configuration and installed multiple plugins necessary for pipeline execution.
* Implemented integration between Maven, Ant, GitHub, and Jenkins to facilitate the building and deployment of artifacts to JFrog Artifactory.
* Managed Argo CD clusters by configuring repositories, setting up access controls, and ensuring synchronization between Git repositories and target environments.
* Integrated Argo CD with Helm, Kubernetes, and Git within the software delivery pipeline to achieve end-to-end automation and orchestration of application deployments.
* Leveraged Argo CD's monitoring and observability capabilities to monitor deployment statuses, gather metrics, and configure alerts for critical events.
* Upgraded Kubernetes clusters to newer versions, ensuring compatibility with the latest features and security patches.
* Configured Nginx as a load balancer to manage incoming traffic efficiently. Implemented mutual authentication using Nginx for enhanced security measures.
* Implemented RBAC (Role-Based Access Control) policies to enforce granular access controls and secure cluster resources.
* Integrated Prometheus and Grafana with Kubernetes clusters to effectively monitor and analyze the performance of containerized applications.
* Developed and optimized Prometheus query language (PromQL) queries to extract meaningful metrics and generate visualizations in Grafana.
* Created custom dashboards in Grafana, to display Prometheus metrics and provide real-time insights into system performance.
* Used Ansible as Configuration Management tool to automate repetitive tasks and expedite the deployment of critical applications. Integrated Ansible with Jenkins on Azure for streamlined orchestration of tasks.
* Proficient in utilizing JIRA for issue tracking and project management. Skilled in installing and configuring the JFrog Repository Manager for efficient artifact sharing within the organization. Additionally, provided support and developed tools for integration, automated testing, and release management.
* Assisted developers with branching strategies, labeling/naming conventions in Git and Involved in the configuration of central and distributed repositories.
* Utilized Nagios for monitoring log files, network status, and hard drive health. Implemented Nagios Event Handlers for automated restart of failed applications and services.

**Environment:** Git, GitHub, ANT, MAVEN, Jenkins, Azure DevOps, Argo CD, Docker, Kubernetes, OpenShift, Ansible, JFrog, Azure, Azure AD, ACR, Azure Blob Storage, ARM, Terraform, Shell, Python, Go Lang, Linux, Jira, My SQL, Apache Tomcat, NoSQL, Prometheus, Grafana, Nagios, Splunk, Nginx.

**Client: St of GA, GA Dec 2021 - Mar 2023**

**Role: Sr. Cloud DevOps Engineer**

* Extensive experience with AWS services including Amazon EC2, S3, RDS, CloudFormation, Lambda, VPC, ELB, Glacier, EBS, DynamoDB, EKS, ECR, CloudWatch, CloudTrail, IAM, SES, SQS, Security Groups, NACLs, and Route 53 in Agile environments.
* Designed EC2 instance architecture to meet high availability application and security requirements.
* Developed AWS CloudFormation templates to provision custom sized VPCs, subnets, and NAT gateways for successful deployment of web applications and databases.
* Configured S3 buckets and established lifecycle policies to manage data storage effectively, leveraging both Standard and Glacier storage classes.
* Deployed Ansible workflow templates to perform node-by-node configuration and conduct smoke tests.
* Utilized Terraform to manage a diverse range of AWS resources, such as EC2 instances, VPCs, subnets, security groups, IAM roles, S3 buckets, and RDS databases. Managed highly available EC2 instances using Terraform in conjunction with CloudFormation.
* Developed reusable and modular infrastructure components using Terraform modules, enabling streamlined deployment processes. Implemented Terraform scripts to automate provisioning of AWS services, infrastructure deployment, and Lambda functions.
* Utilization of Docker containers to deploy applications on AWS services like Amazon ECS and Amazon EKS.
* Proficiency in writing Docker file instructions to define the desired state of applications and their dependencies.
* Configured and optimized Docker images specifically for AWS deployments including working with multi-stage docker builds, cache optimization, and reducing image size in Docker file configurations.
* Configured various Docker network types, including bridge networks, overlay networks, or custom networks tailored to specific AWS project requirements.
* Utilized Trivy tool to scan container images stored in container registries or local image repositories.
* Integrated AWS services such as RDS, S3, Lambda, DynamoDB and AWS ELB with Kubernetes applications.
* Set up Kubernetes environments using Amazon EKS as well, as self-managed Kubernetes on Amazon EC2 instances.
* Managed Kubernetes charts using Helm, facilitating reproducible builds of the Kubernetes applications, Kubernetes manifest files and releases of Helm packages.
* Developed a CI/CD system with Jenkins within a Kubernetes container environment, leveraging Kubernetes and Docker for building, testing, and deploying applications. Configured Kubernetes to deploy, scale, load balance, and manage Docker containers with multiple name spaced versions.
* Utilized Prometheus and Grafana Dashboard for obtaining Kubernetes metrics and logs.
* Written Templates for infrastructure as a code using Terraform to build staging and production environments.
* Used Nagios for monitoring web applications, web services, URL monitoring, content monitoring and HTTP status.
* Managed multiple corporate applications in GitHub and Bitbucket code management repositories, including creating & granting access for users related to GIT and Bitbucket project directories for code changes.
* Conducted regular monitoring activities on Unix/Linux servers, such as log verification, server CPU usage, memory check, load check, and disk space verification, to ensure application availability and performance using Dynatrace and Zabbix.
* Installed and configured Jenkins for continuous integration and delivery pipelines integrating with Nexus, SonarQube, and Ansible, created Ansible playbooks for automation purposes, including file manipulation, configuration changes, and deployments.
* Configured and customized Harness workflows, deployment strategies, and pipelines to meet the specific needs of applications and environments.
* Wrote Go Lang scripts for performing filesystem operations such as file manipulation, directory traversal, file system monitoring, and file permissions management.
* Developed RESTful APIs using Go Lang’s standard HTTP package, third-party web frameworks and middleware for routing, request handling, authentication, and response formatting.
* Implemented automated testing strategies within the Harness platform, including unit tests, integration tests, and end-to-end tests, to ensure the quality and reliability of software releases.
* Implemented a load balanced, highly available, fault tolerant, auto-scaling Kubernetes AWS infrastructure and microservice container orchestration.
* Worked as a DevOps Engineer for a highly complex system, utilizing Git, Maven, Jenkins, Chef, and Jira for day-to-day build and release cycles.
* Installed Jenkins and plugins for Git repository integration, configured SCM polling for immediate builds with Maven, and utilized Maven Repository (Nexus Artifactory) for artifact management. Deployed applications using custom Ruby modules through Puppet as part of a CI/CD process.
* Managed Amazon Web Services (AWS) infrastructure with automation and configuration management tools such as Chef, Puppet, or custom-built solutions.
* Executed and implemented change tickets according to customer requirements, while also managing user accounts and permissions.
* Experience in automation and continuous integration processes with GitLab and Puppet.
* Managed code repository conducted code merging and performed quality checks using various tools, particularly Git and Nexus. Architected Development, Test, Integration, and Production AWS environments.
* Implemented continuous integration and automated deployment using GitLab, Puppet, Maven, and similar tools.
* Set up and built AWS infrastructure, including various resources such as VPC, EC2, S3, IAM, EBS, Security Group, Auto Scaling, and RDS using CloudFormation JSON templates.
* Experience with web deployment technologies, particularly Linux, Nginx, Apache Tomcat, and Java.
* Proficient in utilizing Dynatrace for application performance monitoring (APM) and infrastructure monitoring.
* Involved in various testing phases including integration testing, smoke testing, performance testing, and load testing. Utilized in-built test cases in Jenkins and executed them on the master branch.
* Developed Python scripts to automate various AWS services, including web servers, ELB, CloudFront distribution, databases, EC2 instances, database security groups, S3 buckets, and application configurations. These scripts are capable of creating stacks, single servers, or joining web servers to existing stacks.
* Experienced in managing LAMP (Linux, Apache, MySQL, and PHP) systems in agile, rapidly scalable cloud environments.
* Proficient in dynamically adding and removing servers from AWS production environments.
* Executed administrative tasks such as system startup/shutdown, backup strategy implementation, printing, documentation, user management, security, and network management.
* Monitored and gained insights about infrastructure, applications, and services using AWS CloudWatch, CloudTrail and other third-party tools like Splunk, New Relic.

**Environment:** Amazon Web Services (Aws), EC2, RDS, S3, ELB, Cloud Front, Dynamo DB, Dyna Trace, Cloud Watch, EBS, NACL, VPC, DNS, Docker, Trivy, Kubernetes(k8s), Helm, Chef, Puppet, Terraform, Jenkins, Harness, Git, GitHub, Git Lab, Bit Bucket, MAVEN, ELK, Nagios, Shell, Python, Go Lang, JIRA, Linux, Nexus, SonarQube, Webhooks, Nginx, Apache Tomcat.

**Client: KLA Tencor, Milpitas, CA. Oct 2019 - Nov 2021**

**Role: Cloud DevOps Engineer**

* Provided Configuration Management (CM) and Build support for over 12 different applications, managing builds and deployments across various environments.
* Defined and implemented Configuration Management and Release Management Processes, Policies and Procedures to ensure efficient software delivery.
* Managed Git repositories, branches, merges, rebases, and pull requests in GitLab, ensuring code version control, traceability, and collaboration among development teams.
* Utilized GitLab CI/CD and Infrastructure as Code (IaC) tools like Terraform and Ansible to automate infrastructure provisioning, configuration management, and environment deployments in cloud and on-premises environments.
* Coordinated with developers to establish and apply appropriate branching, labeling and naming conventions using Git.
* Implemented, maintained and supported reliable, timely and reproducible builds for project teams.
* Maintained build-related scripts developed in ANT, shell and WLST/Python and modified build configuration files including Ant's build.xml.
* Managed AWS EC2 instances using Auto Scaling, Elastic Load Balancing and Glacier for QA, UAT environments and infrastructure servers for GIT and Puppet.
* Implemented DevOps environment using Puppet for system configuration across different environments.
* Utilized configuration management tools like Puppet to implement and maintain puppet manifests for configuring and automating processes in Virtual machine server environments.
* Experienced in administering MariaDB databases, including installation, configuration, and maintenance tasks such as backup and recovery.
* Proficient in writing and optimizing SQL queries, indexing strategies, and database schema design to enhance performance and scalability of MariaDB applications.
* Interacted with client teams to understand deployment requests and coordinated with various teams to resolve resource conflicts.
* Worked closely with Project Managers to understand release scope and ensure successful release confirmation.
* Implemented CI/CD using Jenkins, streamlining the development process.
* Configured repositories with branches, tags and trunks as required and participated in sprint planning sessions and daily sprint stand-up meetings.
* Configured application servers (JBOSS) for code deployment and educated users on working with submodules in GIT.
* Configured plugins for integration tools with version control tools and participated in the migration of Bamboo server, Artifactory and Git server.
* Configured OpenShift environments to meet specific project requirements, including networking, storage and security settings.
* Implemented best practices for high availability and scalability within OpenShift clusters to support growing workloads.
* Conducted thorough testing and optimization to ensure efficient performance and reliability of OpenShift deployments.
* Proficient in Docker file composition, image building, and pushing to Docker Hub for deployment to OpenShift Cluster.
* Implemented Prometheus for monitoring and logging of OpenShift clusters, configuring data scraping, alerting rules, and data retention policies to collect, store, and analyze cluster metrics, logs, and events.
* Utilized Grafana for visualization of Prometheus metrics, creating custom dashboards, charts, and graphs to monitor cluster health, performance, capacity, and resource utilization, enabling proactive issue detection, troubleshooting, and optimization of OpenShift environments.
* Responsible for designing and maintaining GIT repositories, views and access control strategies as well as nightly and weekly builds for different modules.

**Environment:** Amazon Web Services (Aws), Amazon EC2, S3, Auto Scaling, ELB, EBS, VPC, DNS, TFS, Puppet, Bamboo, Docker, OpenShift, Jenkins, SVN, Git, GitLab, GitHub, ANT, MAVEN, ELK, Nagios, Shell, Python, JIRA, Linux, Nexus, SonarQube, JFrog, JBoss, Webhooks.

**Client: Verizon, Irving, TX Jul 2017 - Sep 2019**

**Title: Build & Release Engineer**

* Directed the Release Management Calls to synchronize with the Developers, Testers and DBA teams for successful Release.
* Collaborated with development, testing, deployment, systems/infrastructure, and project teams to maintain continuous operation of build and test systems, ensuring smooth project progress.
* Monitored software, hardware, and middleware updates, leveraging tools such as Jenkins/Hudson, Ant, MS Build, TFS Team Explorer, and Subversion to ensure system reliability and performance.
* Developed installer scripts using Ant, Python and UNIX for various products to be hosted on Application Servers.
* Setup and configuration of Tomcat, created multiple instances, did deployment of war files.
* Developed Continuous Integration, Nightly and On-demand build system from scratch with Jenkins, ANT, and Maven.
* Expertise in using Puppet Dashboard and Puppet DB for configuration management to existing infrastructure.
* Automated deployment of IIS web applications, bindings, and configuration settings using PowerShell scripts and Puppet, enhancing deployment efficiency and consistency.
* Used both GIT and Bitbucket source control systems to manage code.
* Coordinated with developers to establish and apply branching, labeling, and naming conventions using Git source control.
* Used JIRA to track issues and Change Management.
* Experience on Splunk search construction with ability to create well-structured search queries that minimize performance impact.
* Created and deployed a tool to automate branch and project creation in subversion using Perl and Chef Scripts.
* Used Jenkins, Chef, shell scripts to automate the code deployment & automation of continuous integration infrastructure (GIT and Nexus were also used in this process).
* Lead the rewrite of a massive Chef code base to make cookbooks composable and testable, and to facilitate the migration from Ubuntu to Centos.
* Performed WebLogic Server administration tasks such as installing, configuring, monitoring and performance tuning on Linux Environment.
* Worked in configuring baselines, branches, merging in SVN, and automation processes using Shell and Batch Scripts.

**Environment:** SVN, Jenkins, Nexus, GIT, Bitbucket, ANT, MS Build, Perl, Jira, Linux, Unix, Chef, Puppet, Ansible, Python Scripts, Shell Scripts, TFS, IIS Web Server, WebLogic Server, Apache Tomcat, Splunk.

**Client: Pryscom, Hyderabad, India Jan 2014 – May 2017**

**Title: Linux Admin**

* Participated in the release cycle of the product, which involves environment like Development, QA and Production.
* Installed and designed RHEL Kick start Installation by configuring NFS, NIS, DNS and DHCP.
* Monitoring system performance, adding physical memory to the servers and User administration setup.
* Troubleshooting Network, File system memory, CPU, Swap Space and issues, TCP/IP, NFS, DNS, and SMTP in Linux and Solaris servers.
* Maintaining infrastructure environment containing RHEL and Solaris.
* Troubleshooting issues by checking logs.
* Performed Disaster Recovery in RHEL servers which comprises LVM based FS and Red Hat Clustering.
* Worked on Red Hat 5.x, 6.x and performed daily tasks using CRON scheduler and automated it.
* Installed and arranged Disk and document framework administration utilizing Logical Volume Manager (LVM) for LINUX frameworks.
* Performed OS upgrades Kernel Upgrades to Solaris and RHEL on production servers and testing servers.
* Installed and configured Nagios system monitoring, writing custom scripts for ESXi servers.
* Administered VMware ESXi, for running the RHEL, Solaris, Windows, Centos and Servers on Development and test servers using VCenter.
* Experience in installing, configuring, and maintaining WebLogic Application Server and WebSphere Server with Java Application tools on Linux and UNIX servers’ environments.
* Configuring and maintaining System Securities using IPTABLES.
* Performance tuning of Virtual Memory, CPU, framework utilization in Linux and Solaris servers by SAR tools.
* Configuration of Monitoring tools in Linux and Solaris servers by Nagios.

**Environment:** RHEL, Ubuntu, Solaris, Windows, Centos, Oracle Enterprise Linux5/6/7, NFS, NIS, DNS, DHCP, API, VMWare, Shell, Nagios, Web Logic, Web Sphere.