 A picture containing text, clipart

Description automatically generated

***Thandarupalli Naveen Goud***

***Cloud DevOps Engineer***

***LinkedIn*:** [*https://www.linkedin.com/in/naveen-goud-thandarupalli-0ba02423b/*](https://www.linkedin.com/in/naveen-goud-thandarupalli-0ba02423b/)

***Email: naveentg1472@gmail.com | Phone: 402-227-4542***

**PROFESSIONAL SUMMARY:**

* Having **10+** years of experience in IT industry with **6** years as a Cloud DevOps Engineer, Build and Release Engineer which includes Software Configuration Management (SCM), Build/Release Management, Continuous Integration and Continuous Delivery using different tools and **4** years as a linux administrator.
* Expertise in DevOps tools such as **GIT, Docker, Kubernetes, AWS, Azure, Jenkins, Maven, Ant, Gradle, SonarQube, Nexus Repository, Jfrog, Ansible, Terraform, Splunk, New Relic, Prometheus, Grafana.**
* Experienced in Continuous Integration (CI) and Continuous Delivery (CD) process implementation using **Jenkins, Azure Pipelines, GitLab CICD pipelines and GitHub Actions.**
* Experienced in Configuration Management Tools such as **Ansible, Chef** Automated Linux production server’s setup using the **Ansible playbooks, roles, Cookbooks**.
* Experience with **Docker** containerized environment, hosting web servers on containers, building Docker images using Docker.
* Expertise working with **Kubernetes** to automate deployment, scaling and management of web Containerized applications.
* Worked on **Kubernetes** to orchestrate **Docker** containers of new and existing applications as well as deployment and management of complex run time environment. Setup RBAC Roles on Kubernetes Cluster.
* Automated deployment, configuration, scaling, and maintenance tasks using **Infrastructure-as-Code (IaC)** tools such as **Azure Resource Manager templates, Terraform**.
* Designed and distribution of data across all the nodes and Clusters on different availability zones in **AWS Redshift** and experienced in automating the infrastructure using **Terraform** in AWS console.
* Expertise in administering and automating operations across multiple platforms **(UNIX, Linux, Windows and MAC)**.
* Experienced in working on both On-Premise and Cloud (AWS/Azure) platforms utilizing **DevOps/Agile** operational processes.
* Expertise in AWS Cloud utilizing various services like **EC2, VPC, ELB, Auto-Scaling, Security Groups, Route53, IAM, EBS, Load Balancers, RDS, S3, SNS, SQS, CloudWatch, Elastic Beans Stalk, CloudFormation & EKS** and other services of AWS.
* Built and configured VPC in the AWS cloud to support Enterprise Data Warehouse hosting including **VPC, Public & Private Subnets, inbound & outbound Security Groups, Route Tables, and Elastic Load Balancer.**
* Designing, developing, testing, and deploying cloud-based applications and services using **Microsoft Azure** technologies and services.
* Understanding and implementing Azure services such as **Azure Functions, Azure Storage,** **Azure Container Registry (ACR),** **Azure Monitor, Azure App Service, Azure Logic Apps, Azure Kubernetes Service (AKS), Azure App Service, Azure Data Factory,** **Azure SQL** and others.
* Building, integrating, and deploying **Azure DevOps pipelines/ Jenkins** for continuous integration and continuous deployment **(CI/CD)** workflows.
* Responsible for setting up and configuring **Kafka clusters** on **Azure**, including provisioning **virtual machines**, **installing Kafka software, configuring networking, security, and authentication settings, and setting up backup and disaster recovery solutions.**
* Implemented monitoring and alerting solutions to proactively detect and resolve issues in **Kafka** clusters using **Azure Monitor**, **Apache Kafka** monitoring tools, and other third-party monitoring tools to collect and analyze metrics, logs, and other performance data, and setting up automated alerts and notifications.
* Worked closely with development teams to integrate **Kafka** into the DevOps pipeline, including implementing **CI/CD** processes, automated testing, and versioning.
* Used AWS **lambda** to run servers without managing them and configured to trigger, to run code using S3.
* Experience with **Linux/UNIX** environments and scripting for Build & Release automation.
* Hands-on experience in DevOps automation development for Linux and Windows Environments. Experience in **UNIX** environment and expertise in several flavors of **Linux** including **Red Hat, CentOS,** and **Ubuntu.**
* Experience in Configuring and Administrating **Nexus Repository Manager/JFrog** Artifactory
* Designed highly available, cost effective and fault tolerant systems using multiple **EC2 instances, Auto Scaling, Elastic Load Balancer and AMIs and S3 Glacier, EBS for ALL** environments as well as infrastructure.
* Performed application migration to **Docker** and containers for various projects and established the use of **Blue/Green Deployments, Load Balancers and AWS EC2** spot instances.
* Experience on Azure Site Recovery and Backup Installed and Configured the **Azure Backup agent** and **virtual machine backup**, Enabled Azure Virtual machine backup from the **Vault** and configured the **Azure Site Recovery (ASR)**.
* Experience in branching, tagging, and maintaining the version across the environments using SCM tools like **Subversion (SVN), Git, Bit Bucket**, and **GitHub**.
* Expertise in building **Kafka cluster**, cluster maintenance, trouble shooting, monitoring, commissioning and decommissioning Data nodes, Troubleshooting, Manage and review data backups, Manage & review log files.
* Expertise in working with diverse Database platforms for Installing, Configuring and Managing **RDBMS** tools like **MYSQL, Oracle and NOSQL Dynamo DB, and Mongo DB/Cosmos DB.**
* Worked on various network protocols **like HTTP, UDP, FTP, TCP/IP, SMTP, SSH, SFTP & DNS** and technologies **like load balancers (ELB), ACL, Firewalls**.
* Experienced with handling production incidents, queries, problems through remedy ticketing system and non -production issues/tasks/incidents through **JIRA** ticketing system and **ServiceNow**.
* Proficient in **Git version control system**, including branching, merging, and resolving conflicts.
* Experience with continuous integration tools such as **Jenkins**, **Travis CI,** or **CircleCI**.
* Familiarity with agile project management tools like **Jira** or **Trello**.
* Good understanding of web and application servers like **Apache Tomcat, WebSphere, Nginx and IIS**.
* Used build tools like **Maven, Gradle and MSBuild** for the building of deployable artifacts from source code.
* Experience in building and deploying **Java/.NET following SOA/Microservices** applications and troubleshooting the build and deploy failures.
* Proficient with **Terraform** Configuration files to spin up the infrastructure very easily and efficiently.
* Experienced using different log monitoring tools like **Splunk, New Relic, ELK (Elastic search, Logstash, Kibana)** for to see logs information, monitor, get the health & security notifications from nodes.

**EDUCATION:**

* Bachelors of Computer Science from JNTU in 2012

**CERTIFICATIONS**

* Microsoft Certified Azure Administrator
* Certified Kubernetes Administrator
* AWS Developer – Associate
* Certified Terraform Associate

**TECHNICAL SKILLS:**

|  |  |
| --- | --- |
| **AWS Services** | RDS, EC2, VPC, IAM, Cloud Formation, EKS, EBS, S3, ELB, Auto Scaling, Cloud Trial, SQS, SNS, SWF, Cloud Watch, Load Balancers, Elastic Beans Stalk, ECR. |
| **CI/CD** | Jenkins, Azure Pipelines. GitHub Actions |
| **Artifactory Storing Tools** | Jfrog and Nexus |
| **Servers** | Nginx, IIS, Httpd, Apache Tomcat |
| **Documentation Tools** | Confluence |
| **Operating Systems** | Microsoft Windows , Linux, UNIX. |
| **Tracking Tools** | Jira, Azure Devops |
| **Code Scanning** | Sonar Qube, Jfrog X ray, Trivy |
| **Databases** | RDS, Cosmos DB, My SQL DB. |
| **Monitoring Tools** | Cloud Watch, Cloud Trail, Azure App Insights, Azure Monitor |
| **Configuration & Automation Tools** | Ansible, Chef. |
| **Container Platforms** | Docker, Kubernetes, Open Shift. |
| **Monitoring Tools** | New Relic, Splunk, Datadog, Grafana, App Dynamics. |
| **Languages** | Python, Shell scripting. |
| **Cloud Platforms** | Azure, AWS. |
| **Azure Services** | App Services, Key vault, function app, Blob storage, Azure Active Directory (Azure AD), Service Bus, Azure Container Registry (ACR) and Azure Kubernetes service (AKS), Azure SQL. |
| **Version Control Tools** | GitHub, Git Lab, Bit Bucket. |
| **Infrastructure-as-code** | Terraform, CloudFormation |

**WORK EXPERIENCE**

**Client: VIR BIOTECHNOLOGY, San Francisco, CA**

**Role: Azure/DevOps Engineer | Oct 2022 - Till Date**

|  |
| --- |
|  |

**Responsibilities:**

* Developed and maintained containerized **microservices** and established a private container registry on **Microsoft** **Azure**, leveraging Windows Active Directory for image hosting.
* Successfully deployed and managed Digital applications on **Azure** **cloud** technologies, transforming **.Net** applications to Microsoft Azure Cloud Service Project for seamless cloud deployment.
* Led implementation of Azure Active Directory for single sign-on access to thousands of cloud SaaS apps like Office 365, and Dropbox. Also configured 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.
* Utilized **Ansible** Configuration Management to manage Azure Virtual Machines instances on the Microsoft **Azure** Platform, creating **Ansible** **Playbooks**, tasks, and roles to automate system operations.
* Proficiently executed Azure (**IaaS**) migrations, including creating **Azure** **VMs**, storage accounts, VHDs, storage pools, and **migrating** **on**-**premises** servers to **Azure**. Also, implemented availability sets and ensured VM hardening and disk encryption using the **KEK** key in MS Azure.
* Utilized C# for writing unit tests, integration tests, and end-to-end tests, employing frameworks such as NUnit, MSTest, or xUnit to ensure the reliability and quality of code.
* Designed and implemented a scalable DevOps infrastructure on the **OpenShift** platform, integrating technologies like **Kubernetes**, **Docker**, and **Azure** **pipelines**.
* Streamlined continuous integration and deployment (CI/CD) pipelines for multiple **OpenShift** projects, guaranteeing high availability and reliability of applications and services.
* Automated repetitive tasks, including application deployment, scaling, and monitoring, leveraging Ansible, Helm, and other configuration management tools on **OpenShift**.
* Conducted thorough monitoring and optimization of OpenShift clusters, analyzing metrics such as CPU usage, memory usage, and network traffic, and optimizing configuration settings to meet workload requirements.
* Successfully worked with **Docker** and **Kubernetes** on various cloud providers, facilitating the building and containerization of applications (CI/CD) and deploying them on public or private clouds.
* Employed Azure Kubernetes Services and **Docker** to orchestrate a runtime environment for the Continuous Integration/Continuous Deployment (CI/CD) system, ensuring a streamlined execution of build, test, and deployment processes. Additionally, instituted Jenkins jobs for deploying applications to the Kubernetes Cluster.
* Proficient in creating **Dockerfiles**, **Docker** **containers**, **Docker** **images**, and managing application lifecycle using **Docker** consoles. Implemented **Docker** Engines in Virtualized Platforms for containerization of multiple applications.
* Executed CI/CD pipeline for **AKS** using **Helm** **charts** in Azure DevOps.
* Demonstrated expertise in using **Terraform** alongside Packer to create custom machine images and automated software installations post-infrastructure provisioning.
* Expertly orchestrated continuous integration and deployment (CI/CD) pipelines for numerous **Data Bricks** projects, guaranteeing the utmost availability and reliability of data processing workflows.
* Collaborated with data scientists, data engineers, and business stakeholders to establish best practices for software development, testing, and deployment on Data Bricks.
* Experienced in utilizing Azure Stack (Compute, Web &Mobile, Blobs, ADF, Resource Groups, Azure Data Lake, HDInsight Clusters, Azure Data Factory, Azure SQL, Cloud Services, and ARM) and services for configuring and deploying Azure Automation Scripts for multiple applications.
* Designed Microsoft Azure for multiple applications utilizing the Azure stack (Including Compute, Web & Mobile, **Blobs, Resource Groups, Azure SQL**, Cloud Services, and ARM), focused on high availability, fault tolerance, and Auto-scaling.
* Experience in creating ARM templates for the Azure platform, created scripts in Azure PowerShell for the build.
* Implemented monitoring solutions in **Ansible**, **Terraform**, **Docker**, and **Jenkins**.
* Automated data ingestion, transformation, and model training tasks using **Python**, **Scala**, or **SQL** scripts on Data Bricks notebooks and clusters.
* Automated the deployment of Splunk configurations using Infrastructure as Code (IaC) principles, ensuring consistency across multiple AKS clusters and environments.
* Monitored and optimized the performance of Data Bricks clusters by analyzing CPU usage, memory usage, and network traffic, and fine-tuning configurations to meet workload demands.
* Automated **Datadog** Dashboards with **Terraform** Scripts.
* Deployed **Kubernetes** (K8s) clusters with **Azure** **Container** **Service** (ACS) from **Azure** **CLI** and utilized **Kubernetes** and **Docker** for the runtime environment of the CI/CD system, facilitating build, test, and Octopus Deploy.
* Designed and deployed **Azure Virtual Machine (VM)** instances within private subnets, establishing a secure and isolated environment for hosting Python applications.
* Implemented **Azure Private Link** service and endpoint configurations within **ARM Templates,** enabling private connectivity to Azure services like Azure Storage and **Azure SQ**L Database for Python applications.
* Successfully migrated multiple **Python applications** to private networks, resulting in improved security and compliance with data protection regulations.
* Proficiently managed Windows Azure Infrastructure as a Service (IaaS) components, including Virtual Networks, Virtual Machines, Cloud Services, Resource Groups, Express Route, VPN, Load Balancing, Application Gateways, Auto-Scaling, and Traffic Manager.
* Expertise in configuring Azure web apps, **Azure App Services**, **Azure Application Insights**, Azure Application Gateway, Azure DNS, Azure Traffic Manager, Azure Network Watcher, Implementing Azure Site Recovery, Azure Backup, and Azure Automation.
* Successfully managed deployments in **AKS** managed **Kubernetes**, setting up multi-node clusters and deploying containerized applications.
* Developed custom Datadog integrations to capture specific application-level metrics and logs, enhancing observability into the behavior of Python applications.
* Utilized Azure Kubernetes service to deploy a managed Kubernetes cluster in Azure, creating **AKS clusters** in the **Azure** **portal**, and deploying through Resource Manager Templates and Terraform.

**Client:** **Comcast, Philadelphia, PA**

|  |
| --- |
| **Role: AWS/DevOps Engineer | April 2021 –Sep 2022** |

**Responsibilities:**

* Developed and optimized **Kafka-based** messaging systems to enhance data integration across microservices, achieving high throughput and low latency by scaling **Kafka** clusters effectively.
* Configured **AWS VPC** networks with **security groups, NACLs, Elastic IPs**, and strategically placed load balancers across public and private subnets.
* Managed **AWS S3** and **IAM** services by setting up S3 buckets with comprehensive permissions and logging, and created and managed IAM users, groups, and policies.
* Leveraged Terraform for automating the deployment of **VPCs, ELBs**, security groups, and S3 buckets, and scripted **EC2** instances, Elastic Load Balancers, and S3 buckets from scratch.
* Lead multiple Agile projects, managing cross-functional teams to deliver high-quality software solutions. Implement cloud-based solutions on AWS, ensuring scalability and reliability.
* Operate efficiently in virtual environments, coordinating with remote teams. Administer and troubleshoot both Windows and Unix-based systems to **support project** requirements.
* Utilize tools such as Helm for Kubernetes deployments, Artifactory for artifact management, and SonarQube for continuous inspection of **code quality**.
* Achieved a 20% reduction in project delivery times by streamlining **Agile processes** and enhancing team collaboration.
* Designed multiple VPCs with detailed **subnet strategies** using CIDR blocks, route tables, and security groups, and automated AWS configurations and deployments using **Lambda.**
* Deployed and managed Java-based web applications using **Elastic Beanstalk** in pre-production environments.
* Conducted full-cycle migrations of physical servers to AWS, configuring Apache servers in the cloud with Chef automation.
* Managed service level agreements (SLAs) within ServiceNow to ensure consistent service delivery standards.
* Configured **Helm charts** to manage Fluent-Bit, **Elasticsearch, Kibana, and Prometheus** for enhanced logging and monitoring.
* Optimized Oracle databases by implementing advanced indexing and partitioning, significantly improving query performance and throughput.
* Enhanced automation frameworks with advanced logging and diagnostics using **Python and Boto3**, boosting system reliability and task automation.
* Authored **Ansible playbooks** for diverse automation tasks including provisioning, orchestration, and deployments, improving operational efficiency.
* Leveraged Prometheus extensively to monitor complex production environments, ensuring high availability and performance through real-time metrics and alerts.
* Designed and implemented comprehensive monitoring solutions using Prometheus to track system performance, including setting up custom metrics, dashboards, and alerting rules that facilitated proactive incident management.
* Integrated Prometheus within the SRE framework to support scalability and reliability objectives, ensuring systems met SLAs through detailed performance monitoring and tuning.
* Prometheus and Grafana Integration
* Executed continuous integration and deployment with tools like Jenkins and Hudson, and managed CI/CD pipelines on **JBoss and Tomcat servers.**
* Developed Ansible recipes for reliable software component management within existing infrastructures.
* Maintained and updated Jira configurations, workflows, and documentation to encapsulate best practices.
* Automated AWS infrastructure setup and configuration through Terraform and Jenkins, with software service configurations managed via Ansible playbooks.
* Utilized Prometheus data to analyze and optimize system performance, identifying bottlenecks and implementing solutions to improve efficiency and reduce downtime across critical applications.
* Configured Prometheus to work seamlessly with Grafana, creating detailed visualizations that provided insights into system health and helped stakeholders understand current and historical data trends.
* Automated the deployment and configuration of Prometheus monitoring tools using infrastructure as code practices, enhancing consistency across multiple environments, and reducing manual setup time.
* Monitored cloud environment performance using **AWS CloudWatch** during load testing to gather operational and performance metrics.
* Managed binary repositories in Nexus Artifactory, utilizing Jenkins Artifactory Plugin to streamline artifact management.
* Planned and tested new data center implementations for disaster recovery, participating in agile/scrum meetings to ensure project alignment.
* Revised Maven scripts for utilization of Artifactory repositories, enhancing build management.
* Conducted training sessions on using Prometheus for effective monitoring, sharing best practices with the SRE and DevOps teams to elevate the organization's monitoring capabilities.
* Integrated **Maven and ANT** into Jenkins pipelines to automate build processes, streamlining software delivery.
* Managed AWS IAM services including user and group creation, policy definition, and role assignments for secure access management.
* Established a Jenkins environment atop Kubernetes to streamline team deployments of containerized applications using images stored in **ECR** and managed via **EKS.**
* Automated web application testing processes using **Jenkins and Selenium**, enhancing testing efficiency and reliability.
* Led the implementation of GitOps using **ArgoCD and Flux,** refining continuous deployment practices to accelerate application updates.
* Utilized Prometheus and Grafana for regular monitoring of Kubernetes pod metrics, ensuring optimal performance.
* Automated ELK stack deployments using Chef, streamlining continuous deployment workflows.

|  |
| --- |
| **Client: Wells Fargo, Dallas, USA**  **Role:** Azure **DevOps Engineer | Nov 2019 –** Mar **2021** |

**Responsibilities:**

* Provisioning **Azure Resources** such as (Compute, Virtual Network, Azure Service Fabric, Application gateway using **ARM Templates**) and implementing Dev, Test, Staging, prod environments leveraging infrastructure as code using **Azure ARM Templates**.
* Provisioned **IaaS and PaaS Virtual Machines**, along with Web and Worker roles on Microsoft Azure Classic and **Azure Resource Manager (ARM).**
* Upgraded and migrated web applications to the latest **.Net framework** versions and **Azure platforms** for enhanced performance and compatibility.
* Observability as a Code is the main focus in which **New Relic** Alerts and Dashboards were created using **Terraform** for multiple environments.
* Worked with Atlassian tools like **Confluence**, **Jira,** and Skilled in Test Driven Development (TDD) and Agile Development.
* Used **Azure OMS** & **Power BI** for visualizing the activities. Worked on **Azure App Insights**, Alerts and Log Analytics for Monitoring as part of OMS.
* Migrated Build Forge projects to **Azure DevOps,** seamlessly transferring work items, source codes, and build/release pipelines using a custom **PowerShell tool.**
* Lead in implementing Enterprise architecture using **Azure Service Bus**, **AppService**, Active Directory, Storage, hybrid connection manager, Active Directory Authentication for **Azure SQL** server and other services offerings by Azure.
* Created **WebApps** on Azure portal for deploying web applications using **VSTS** pipelines.
* Configured and maintained **JFrog Artifactory** repositories to support various package types, including **Docker** **images**, **Java** **libraries**, and **npm** **packages**.
* Designed Automation Jobs to extract data from **Azure Blob Storage** and Pool to **Service Bus** Topics and Deploy code to **Azure Function** Apps using Azure DevOps Pipeline **YAML Scripting.**
* Worked on setting up Self Hosted Build Agents into our VNET as we deploy Applications and Databases as Private Resources using Private Endpoints.
* Worked on **Azure Express Route Circuit** and **Virtual Network Gateway** to set up private connections to Microsoft cloud services such as Microsoft Azure using **Terraform** Modules.
* Worked on configuring Azure Virtual Networks, Subnets, DHCP Address Blocks, Azure network settings, DNS settings, security policies and routing. Implemented **Ansible** **Tower** to optimize the management of intricate network deployments, introducing control, knowledge, and delegation in Ansible-powered environments.
* Installed and configured the **JFROG Artifactory** and mission control.
* Proficiency in writing Puppet manifests to define the desired state of infrastructure components, enabling you to treat infrastructure provisioning and management as code.
* I developed **Ansible Playbooks** tailored for diverse environments to manage releases effectively, and I also transformed **Puppet** modules into Ansible Playbooks.
* Developed **Ansible Playbooks** with **Python SSH** as a wrapper to oversee server and node configurations, conducting tests on Azure instances for efficient deployment.
* Implemented Data dog APM monitoring and logging solutions for **NGINX** and **uWSGI** within **Azure Kubernetes Service (AKS)** environments hosting Python applications.
* Implemented and managed **Azure service**s such as **Load Balancers, Application Gateways,** and Traffic Manager to ensure optimal performance and availability of **AKS containers** & **Pods**.
* Increased pre-production server visibility by producing **Data dog metrics**. Enabled **Data dog APM, and JVM**
* Deployed and optimized two-tier web apps using **Azure DevOps,** including Azure Repos for code commits, Test Plans for application and unit testing, and **App Service** deployment. I used Azure Application Insights to collect health performance statistics and monitor process use.
* Proficiently designed and deployed applications with **Kubernetes** CLI, and managed task scheduling with **Kube scheduler.** **Helm Charts** was used to effectively manage **Kubernetes** charts, resulting in reproducible builds for **Kubernetes** applications.
* Implemented and managed **Azure services** such as **Load Balancers**, **Application Gateways**, and Traffic Manager to ensure optimal performance and availability of **AKS containers** & **Pods**.
* Managing the workloads in the azure **Kubernetes** platform and monitor using **Dynatrace**, **ELK**.
* Azure boards to plan, track and discuss work across your teams **Kanban** boards, backlog items, tasks.
* Migrated legacy applications to Microsoft Azure Cloud PaaS by setting up CI/CD pipelines on **VSTS**.
* Maintained Secrets and certs in **ADO pipeline** **YAML** configuration as well as **Azure Key vaults.**
* Experience in creating a log analytics workspace and enabling cluster addon and integrated **Azure** **Kubernetes** Service monitoring to figure out if requests are failing, inspect **Kubernetes** events or logs. Also monitored **Kubernetes** clusters health by using **Prometheus** and **Grafana**.
* Developed custom metrics and dashboards in **Grafana** to track the performance and health of critical systems and applications. And configured alerting rules in **Prometheus** and **Grafana** to proactively detect and respond to critical issues.

**Client: PNC, Pittsburgh, PA**

**Role: DevOps Engineer | July 2018 - Oct 2019**

**Responsibilities:**

* Experience in Software Integration, Configuration, building, automating, managing and releasing code from one environment to another environment and deploying to servers.
* Working on multiple **AWS** instances by setting services like **Route53, SES, SQS, SNS** and created and administered DNS system using **Route53**.
* Worked with full AWS stack (**Lambda server-less, IAM, Blue-Green deployment**).
* Running Container Workloads in OpenShift On-Prem Private Cloud.
* Provisioned the highly available EC2 instances using **Terraform** and **Cloud Formation** and wrote new plugins to support new functionality in Terraform.
* Researched and developed scalable Linux deployments on AWS via **CoreOS** and **Docker** and used **Docker** Compose to develop dependent instances to be deployed in the **EC2** platform.
* Experience with **S3** Bucket services like creating buckets, managing policies, configuring buckets with permissions, logging, versioning and tagging and used **S3** Bucket and **Glacier** for storage and backup on AWS.
* Worked on **AWS Cloud Watch** for monitoring the application infrastructure and used **AWS email services** for notifying & configured S3 versioning and lifecycle policies to and backup files and archive files in Glacier.
* Worked on migrating the on-premises application from its physical Storage Racks to **AWS** by using **EC2, S3**.
* Served application data using **Lambda** functions to store data in NOSQL database **Dynamo DB.** Configured REST API's using API Gateway that hit **lambda** which in turn invokes lambdas to do necessary operations.
* Installed Redshift on AWS and imported the legacy data from Oracle to Redshift. Participated in integration of applications with existing API’s.
* Implemented and maintained **Ansible** configuration management spanning several environments in **VMware** and AWS cloud.

|  |
| --- |
| **Client: Extra marks Education, Hyderabad, India.**  **Role: Linux Administrator | Aug 2012 to July 2017** |

**Responsibilities:**

* Installed and configured **RHEL, Solaris** and **Windows Servers.**
* Monitored, analyzed, and responded to security events utilizing security event management and reporting tools.
* Worked on **account, user and group administration, Permissions policy management and quota implementation**.
* Installed, configured, supported and security implementation on SSH, NIS, DNS and HTTPD.
* Implemented and maintained server virtualization using **VMware** and **Oracle Virtual Manager**.
* Coordinated with application team in installation, configuration and troubleshoot issues with **Tomcat server**.
* Created virtual machine using **Oracle Virtual Manager, creating server pool, VM cloning. Conceived, Designed, Installed and Implemented CI/ CD automation system**.
* Participated in setup **Storage Area Network (SAN)** and **NAS** and file system backup and restore.
* 24x7 on-call rotation for support of production systems.
* Developed Ansible Playbooks to manage multiple host nodes to Upgrade Software’s.