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***Thandarupalli Naveen Goud***

***Cloud DevOps Engineer***

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**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.
* Experienced **GCP DevOps Engineer** with a strong background in designing, implementing, and maintaining cloud infrastructure and CI/CD pipelines on **Google Cloud Platform (GCP).**
* Experienced in designing, implementing, and managing cloud solutions on Google Cloud Platform (GCP). Proficient in utilizing a wide range of GCP services, including **Compute Engine, App Engine, Cloud Functions, Virtual Private Cloud (VPC), Cloud Storage, Cloud SQL, Identity and Access Management (IAM), BigQuery, Cloud Pub/Sub, Cloud Monitoring, and Cloud Deployment Manager.**
* Skilled in optimizing and securing **GCP environments**, automating workflows, and ensuring scalability and reliability of cloud-based applications. Strong understanding of cloud architecture principles and best practices.
* Skilled in automation, configuration management, and monitoring using **GCP services** and tools. Proven track record of improving development and deployment workflows to enhance efficiency and reliability.
* 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**.
* 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:**

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| **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. |
| **GCP Services** | Cloud SQL, Compute Engine (virtual machines, Virtual Private Cloud (VPC), Identity and Access Management (IAM),Cloud Deployment Manager, Google Kubernetes Engine (GKE), Cloud Storage, Cloud Load Balancing ,Compute Engine Autoscaler, Cloud Audit Logs , Cloud Pub/Sub , Cloud Pub/Sub , Cloud Composer, Cloud Monitoring, Cloud Load Balancing, App Engine |
| **Configuration & Automation Tools** | Ansible, Chef. |
| **Container Platforms** | Docker, Kubernetes, Open Shift. |
| **Monitoring Tools** | New Relic, Splunk, Datadog, Grafana, App Dynamics, Cloud Watch, Cloud Trail, Azure App Insights, Azure Monitor |
| **Languages** | Java, 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** | GiHub, Git Lab, Bit Bucket. |
| **Infrastructure-as-code** | Terraform, CloudFormation |

**WORK EXPERIENCE**

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

**Role: Sr. Platform Engineer/ Site Reliability Engineer | Oct 2022 - Till Date**

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**Responsibilities:**

* Implementing and managing the end-to-end DevOps practices and processes using **Azure DevOps** tools, including source control, continuous integration, continuous delivery, automated testing, and deployment.
* Responsible for managing source code repositories using version control systems such as **Git** in **Azure DevOps**, including creating and managing branches, merging code changes, resolving conflicts, and ensuring proper versioning and branching strategies are followed.
* Utilized **Google Cloud Pub/Sub** for event-driven architecture, enabling scalable and loosely coupled application components.
* Implemented blue-green deployments and canary releases using **Google Cloud Traffic Director**, minimizing downtime and risk during deployments.
* Conducted regular security assessments and audits of **GCP infrastructure**, ensuring compliance with industry standards and best practices.  
  Designed and implemented **GCP networking** solutions, including VPCs, subnets, and firewall rules, to meet specific application requirements.
* Configured and managed **Google Interconnect** to establish private, high-speed connections between on-premises networks and GCP.
* Implemented **network monitoring** and optimization strategies to ensure optimal performance and cost-efficiency. Collaborated with cross-functional teams to troubleshoot network issues and optimize network performance.
* Monitored and troubleshooted **Google Cloud networks** using tools like Google Cloud Monitoring and Stackdriver Logging, ensuring network performance and reliability.
* Implemented network security best practices in **Google Cloud**, including IAM (Identity and Access Management), firewall rules, and encryption, to protect network resources and data.
* Designed **network architectures** in Google Cloud, considering factors such as scalability, availability, and cost-efficiency, to meet project requirements and objectives.
* Automated **network configuration** and management tasks in Google Cloud using tools like Deployment Manager and Terraform, improving operational efficiency and reducing human error.
* Created and enforced **network** **security policies** in Google Cloud using VPC Service Controls and Firewall Rules, ensuring compliance and data protection.
* Optimized network performance in Google Cloud by fine-tuning **network settings**, such as MTU (Maximum Transmission Unit) and TCP window size, to reduce latency and improve throughput.
* Designed and implemented hybrid cloud **networking solutions** using Google Cloud's hybrid connectivity options, such as Cloud VPN and Dedicated Interconnect, to seamlessly connect on-premises and cloud environments.
* Configured and managed **Google Cloud IAM** roles and permissions, enforcing least privilege access control and ensuring data security.
* Skilled in using Wireshark, TCPdump, and **Google Cloud Monitoring** for monitoring and troubleshooting network issues.
* Familiarity with network monitoring and **troubleshooting** tools such as Extrahop, SolarWinds, Netcool suite, Catchpoint, and MoogSoft.
* Automated configuration management of **GCP instances** using Puppet, ensuring consistency and reliability across environments.
* Configured and managed BGP routing to optimize **network traffic** and enable inter-domain routing on enterprise networks.
* Implemented **MPLS technology** to improve the performance and efficiency of network traffic routing, particularly in large-scale networks.
* Orchestrated and managed Docker containers on GCP **using Google Kubernetes Engine (GKE**), optimizing resource utilization and scalability.
* Established CI/CD pipelines with **Google Cloud Build**, enabling automated build, test, and deployment processes for applications on GCP.
* Responsible for creating and managing infrastructure as code (IaC) templates using tools such as **Azure Resource Manager (ARM) templates or Terraform** to automate the provisioning and management of Azure resources required for application deployments.
* Orchestrated complex workflows and pipelines using **Google Cloud Composer**, ensuring reliable and repeatable deployment processes.
* Developed RESTful web services using Java and **Spring framework**, facilitating communication between frontend and backend systems.
* Followed best practices for **Java development**, including code documentation, unit testing, and version control using Git.
* Contributed to the development of internal tools and libraries to improve **development processes** and code reuse in Java projects.
* Conducted performance profiling and optimization of **Java applications** using tools like JProfiler and YourKit.
* Implemented security measures such as input validation and output encoding to protect Java applications from common vulnerabilities.
* Developed and maintained web applications using **Java technologies** such as Servlets, JSP, and JSF. Utilized build automation tools like Apache Ant and Gradle to automate the build process and streamline development workflows.
* Integrated logging frameworks like Log4j and SLF4J into **Java applications** to facilitate debugging and monitoring.
* Implemented internationalization and localization features in Java applications to support multiple languages and regions.
* Worked with frameworks like **Spring Boot** to create standalone Java applications with embedded servers for easy deployment.
* Strong knowledge of **J2EE frameworks** such as Spring, Spring MVC, Spring Boot, Hibernate, Junit, Mockito, Jenkins, Maven, and JPA.
* Collaborated with **development teams** to implement CI/CD pipelines for automated testing and deployment of applications on GCP.
* Implemented monitoring and logging solutions with **Stackdrive**r (now Google Cloud Operations Suite) to ensure high availability and performance of GCP services.
* Executed advanced **deployment strategies** like canary deployments and blue-green deployments in GKE, minimizing downtime and risk during releases.
* Configured and managed **networking** components such as VPCs, firewalls, and load balancers in GCP, ensuring secure and efficient communication between services.
* Responsible for automating the deployment of applications and services to various environments using tools such as **Azure DevOps Pipelines**, **Jenkins**, or other deployment technologies, ensuring that deployments are consistent, repeatable, and reliable.
* Proficiency in Containers and **Serverless technologies** including Docker, Kubernetes, API gateway, AWS/Azure functions, AKS, ACI, etc.
* Hands-on experience with **Docker containerization** tools and image creation. Good understanding and technical expertise in Microservices architectures.
* Proficient in deploying and **administering components** using Application Servers such as Jboss AS, WebLogic, Tomcat Apache, etc.
* Knowledge of security protocols such as **OAuth 2.0**, JWT, Spring Security, PING Access/Federate, 2-Way SSL. Experience managing auto build processes using Eclipse, Maven, SVN, etc.
* Proficiency in databases such as Oracle, SQL Server, with experience in fine-tuning and performance optimization.
* Familiarity with tools like **CheckMarx**, SonarQube, AppSpider, JaCoCo. Knowledge of DevOps tools in GCP environment and open-source technologies. Ability to perform code reviews and develop unit test cases.
* Responsible for managing **configuration files, settings, and secrets** for applications and services using tools such as **Azure Key Vault or** other configuration management solutions,ensuring that sensitive information is stored securely and properly managed.

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

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

**Responsibilities:**

* Working with **AWS CLI** and **API** to manage resources on AWS for many services such as a **EC2, S3, VPC, Lambda, Cloud formation, Cloud Watch, RDS, Dynamo DB, ELB, Auto-scaling**, **Route53**, **IAM** created **python** script using **AWS API** Calls to manage all resources deployed on **AWS**.
* Managed secrets and sensitive information using **Google Cloud Secret Manager**, enhancing security practices for cloud-based applications.
* Integrated logging and monitoring solutions with Stackdriver, creating **custom metrics** and alerts to proactively identify and address performance issues.
* Worked closely with stakeholders to define **infrastructure requirements** and design scalable and cost-effective solutions on GCP.
* Implemented network cost optimization strategies in **Google Cloud**, such as using Shared VPCs and subnetting, to reduce network-related expenses while maintaining performance and security.
* Automated **network monitoring** tasks using Google Cloud's monitoring and alerting tools, such as Cloud Monitoring and Stackdriver, to proactively detect and resolve network issues.
* Developed disaster recovery plans for **Google Cloud networking**, including redundant network configurations and failover strategies, to ensure business continuity in the event of network failures.
* Participated in **on-call rotations** to provide 24/7 support for production systems on GCP, resolving incidents and ensuring service availability.
* Designed and implemented Google Cloud Platform (GCP) **networking solutions**, including Virtual Private Clouds (VPCs), subnets, and firewall rules, to meet specific application requirements.
* Configured and managed **Google Interconnect** to establish private, high-speed connections between on-premises networks and GCP, improving network performance and reliability.
* Implemented network monitoring and **optimization strategies** to ensure optimal performance and cost-efficiency of GCP networking resources.
* Collaborated with cross-functional teams to troubleshoot network issues and optimize network performance, ensuring seamless operation of **cloud-based applications**.
* Demonstrated strong understanding of GCP networking principles and best practices, enabling effective design and management of **complex network architectures**.
* Implemented security best practices in GCP, including **IAM roles and policies**, encryption at rest and in transit, and VPC peering, ensuring compliance with industry standards.
* Collaborated with development teams to optimize **application performance on GCP**, leveraging services like Cloud SQL for database performance tuning and Cloud CDN for content delivery acceleration.
* Integrated **third-party tools** and services with GCP, such as GitHub for version control, JIRA for issue tracking, and Slack for team communication, streamlining the development and deployment workflow.
* Conducted regular performance and cost analysis of **GCP resources**, identifying and implementing cost-saving measures and resource optimizations.
* Deployed MPLS technology to create efficient and scalable communication networks, enhancing data transfer speeds and reliability.
* Used **AWS Beanstalk** for deploying and scaling web applications and services developed with **Java, .NET, PHP and Node.js** on familiar servers such as **Apache** and **IIS**.
* Experience in **Blue/green deployment** strategy by creating new applications which are identical to the existing production environment using **CloudFormation** templates & **Route53** weighted record sets to redirect traffic from the old environment to the new environment via **DNS**.
* Implemented CI/CD pipelines for **Java applications** using Jenkins, Maven, and Git, automating the build, test, and deployment processes.
* **Containerized** Java applications using Docker, ensuring consistency across development, testing, and production environments.
* Implemented **design patterns** such as MVC, Singleton, and Factory in Java applications, improving code maintainability and scalability.
* Designed and **optimized SQL queries** and database interactions for Oracle and SQL Server databases, improving application performance and data retrieval efficiency.
* Conducted **code reviews** and implemented best practices to ensure code quality and maintainability, using tools like SonarQube and JaCoCo.
* Integrated authentication and **authorization mechanisms** using OAuth 2.0 and JWT to secure web applications and APIs.
* Implemented infrastructure automation using Google Cloud Deployment Manager, reducing deployment time and ensuring consistency across environments.
* Configured **EC2** instances by writing **Terraform** templates, **Chef** cookbooks, recipes and pushed them on to **Chef** server. Wrote **Lambda** functions in **Python** for **AWS Lambda** and invoked **Python** scripts for data transformations and analytics on large data sets in **AWS Glue** clusters and **AWS Kinesis** data streams.
* Used **Terraform** in AWS VPC to automatically setup and modify settings by interfacing with control layer.
* Created reproducible builds of the **Kubernetes** applications, managed **Kubernetes** manifest files and Managed Release of **Helm** packages and scheduled, deployed and managed Container replicas onto a node cluster using **Kubernetes.**
* Responsible for deploying and managing **Kubernetes** clusters using **Amazon EKS**, including cluster creation, scaling, upgrading, and monitoring. Have a deep understanding of **Kubernetes** concepts, such as **pods**, **services**, deployments, and **ingress**, and how they can be effectively used in **Amazon EKS**.
* Writing **Ansible** **Playbooks** with **Python** **Boto3** as a wrapper for configuration management of **AWS** nodes in the cloud environment and Tested **Ansible** playbooks on **AWS** instances using **Python** and involved in running **Ansible** Scripts to provision dev servers.
* Responsible for **Continuous Integration (CI)** and **Continuous Delivery (CD)** process implementation-using **Jenkins** along with **Python** and **Shell** scripts to automate routine jobs. Migrated Legacy applications to a repeatable **Continuous** **Integration** platform.
* Designed and developed **Continuous Integration & Continuous Delivery** pipelines using Code Pipeline, Code Build and Code Deploy plugins in Jenkins. Developed **Jenkinsfile** and automated the **Jenkins** pipeline using pipeline **Groovy** script for the applications.
* Responsible for installing **Jenkins** master and slave nodes and configure **Jenkins** builds for **Continuous Integration (CI)** and **Continuous Delivery (CD).**
* Creating and Implementing **branching** & **merging** strategy with multiple branches. Used **Git** as source code management repository to keep track of version changes. Implemented and Maintained the Branching and **Build/Release** strategies utilizing **GIT** source code management.
* Installed and configured **GIT** and communicating with the repositories in **GITHUB** and Created and maintained **Subversion/GIT** repositories, branches and tags.
* Designed and scripted using **MAVEN** for (J2EE, Web Services, Reusable JARS, Web Client and Open Source) in creating **MasterBuild.xml**, **Build. Properties** &**Pom.xml** files and provided technical support to development team for compilation problems.

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

**Responsibilities:**

* Focused on improving **software development, deployment**, and operations processes. Worked in designing, implementing, and maintaining scalable and highly available infrastructure solutions.
* Collaborated with development teams to define infrastructure requirements and create infrastructure as code (IaC) using tools like **Terraform, CloudFormation.**
* Designed and implemented Google Cloud Platform (GCP) Virtual Private Clouds (VPCs), subnets, and firewall rules to create secure and isolated **network environments** for applications.
* Configured and optimized **Google Cloud networking** services such as Cloud Load Balancing, Cloud CDN, and Cloud DNS to improve application performance and availability.
* Implemented and managed **Google Cloud Interconnect** to establish private, high-speed connections between on-premises networks and GCP, ensuring reliable and efficient network connectivity.
* Automated infrastructure provisioning and configuration management **for Java applications** using tools like Ansible, Terraform.
* Implemented **security practices** for Java applications, including vulnerability scanning, encryption, and access control, in compliance with industry standards.
* Contributed to the **adoption** of DevOps best practices within the organization, including version control, automated testing, and continuous integration and deployment.
* Participated in on-call rotations and incident response for **GCP services**, ensuring prompt resolution of production issues and minimizing downtime.
* Mentored team members on **GCP technologies** and best practices, fostering a culture of learning and continuous improvement.
* Implement and maintain CI/CD pipelines to automate the **build, test, and deployment** processes for applications and services.
* Integrate source control systems using Git and build automation tools **Jenkins, GitLab CI/CD** to enable continuous integration and delivery of software.
* Managed and optimized **release processes**, including version control, release coordination, and rollback strategies.
* Have used **ServiceNow** for incident management, change management, and problem management.
* Have set up monitoring and alerting systems like **Splunk, Nagios, Azure Monitor, CloudWatch, ELK** to track application and infrastructure performance, and ensure system availability.
* Implement proactive measures to anticipate and prevent **system failures** or **performance degradation**.
* Participated in incident response and **on-call rotations** to address system outages or performance incidents.
* Collaborated with development and operations teams to conduct **root cause analysis (RCAs)** and implement measures to prevent recurrence.

**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**.
* Utilized Google Cloud's **network monitoring** and logging tools, such as VPC Flow Logs and Network Intelligence Center, to monitor and troubleshoot network performance and security issues.
* Collaborated with **cross-functional** teams to design and implement scalable and resilient network architectures on Google Cloud, ensuring high availability and fault tolerance.
* Demonstrated strong understanding of Google Cloud networking principles and best practices, ensuring the secure and efficient operation of **cloud-based applications**.
* 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.

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| **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.