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An AWS-certified Cloud DevOps Engineer with 9.5 years of comprehensive experience in the IT Sector and over 7.5 years specializing in Amazon Web Services (AWS), CICD DevOps, and Terraform. I am seeking a career that offers both challenges and rewards.

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## TECHNICAL SKILLS

Amazon Web Service	EC2, Elastic Load Balancer, Auto Scaling Services, Elastic Beanstalk, Relational Database, Virtual Private Cloud, Route 53, Cloud Watch, Identity and Access Management(IAM), SNS, SQS, Lambda. VPN, S3, Elastic Kubernetes Service.
Version Controls	GIT, Bitbucket
CI and Build Tools	GitLab, Jenkins, Ansible.
Infrastructure as code tool	Terraform
Operating System	Linux Operating system, Windows.
Monitoring Tool	Grafana Dashboard, Prometheus, Datadog
Ticketing Tool	JIRA

## Professional Summary

- Proficient in collecting client requirements and converting them into actionable tasks.
- Demonstrated ability to oversee entire projects or applications from inception, including infrastructure provisioning, CI/CD pipeline setup using Gitlab and Jenkins as well as production deployment.
- Possesses practical experience in AWS services encompassing computing, networking, storage, administration, security, deployment, management, and automation technologies.
- Familiarity with constructing scalable environments on demand through Terraform script alongside automation facilitated through Jenkins or Gitlab Pipeline across multiple environments such as DEV, QA, UAT, and PROD.
- Engaged in an Agile team environment with a comprehension of the Scrum cycle.
- Utilizes troubleshooting skills while collaborating closely with operations, support teams, and other functions to ensure successful release activities.
- Skilled in administering Kubernetes clusters, managing Docker images, and EKS Cluster components.
- Experienced in performing cost optimization analysis across various cloud services.
- Developed and maintained comprehensive documentation for various infrastructure environments.
- Engaged in the creation of Disaster Recovery plans across cloud environments.
- Managed the SSL certificates associated with applications.

**EMPLOYMENT DETAIL**

Nagarro Software pvt Ltd.

May 2022 to Present

**Job Title:** Staff Engineer**Role:** Cloud DevOps Engineer**Project#1&2:****Client**

A leading automation company in multiple industrial and health technology.

**Responsibilities:****Architecture diagram:**

- Demonstrated practical experience in the design of AWS architecture diagrams accompanied by comprehensive documentation.

**AWS Infra Setup:**

- Engaged in the provisioning of AWS resources and the complete configuration across DEV, SIT, PERF, UAT, PREPROD, and PROD environments utilizing Terraform, alongside automation facilitated through Jenkins Pipeline.
- Extensive experience in provisioning AWS networking resources, including Virtual Private Clouds (VPCs) etc.. utilizing Terraform within the AWS Cloud environment in accordance with project specifications.
- Experience in establishing the infrastructure for **Elastic Kubernetes Service**, which encompasses the creation of node groups, application load balancers, ingress application load balancers, ingress controllers, NGINX controllers, and Docker containers as part of the requirement.

**CICD Setup:**

- Extensive experience in developing end-to-end Continuous Integration and Continuous Deployment (CI/CD) pipelines for application construction, And code deployment on Elastic Kubernetes service (EKS) utilizing Jenkins as part of the CICD process
- Expertise in the implementation of branching strategies within GitHub or Bitbucket for Kubernetes deployments utilizing Jenkins (CI/CD) practices.

**Monitoring Setup:**

- Experience in configuring New Relic to monitor both application performance and AWS infrastructure.

**Carelon Global Solutions India (Legato)**

August 2020 to May 2022

**Job Title:** Software Engineer**Role:** Cloud Engineer**Project#1:****Client**

A leading product-based company in the Healthcare domain

**Responsibilities:**

- Collaboratively engaging with the project architect and executing tasks in accordance with the project requirements.

- Contacting the Cloud Operations team to formally request the establishment of a new AWS account, including default network resources specifically designed to meet the particular requirements of the project.

**Terraform:**

- Extensive experience in provisioning infrastructure on AWS across various environments, including DEV, SIT, PERF, UAT, Pre-production (PREPROD), and Production (PROD) utilizing Terraform, and the AWS Management Console.

**Elastic Kubernetes Service:**

- Extensive experience in provisioning Elastic Kubernetes Service (EKS) on various AWS environments.
- Proficient in composing Dockerfiles, Deployment YAML files, ConfigMaps, database configurations, Service YAML files, and the creation of Secrets.
- Worked on Infrastructure setup for Production DR as well.

**CICD Setup:**

- Extensive experience in the comprehensive development of end-to-end Continuous Integration and Continuous Deployment (CICD) pipelines for application builds & deployments for Elastic Kubernetes Service and OpenShift Container Platform (OCP) utilizing GitLab and Bamboo.
- Experience with source control management systems, such as Bitbucket and Git, along with proficiency in effective code branching and merging strategies.
- Contributed to the Cloud Enablement and Cloud Governance team.
- Experience in configuring Cloudwatch, Grafana dashboard, and Prometheus for Kubernetes to monitor AWS infrastructure.

Cognizant Technology Solutions

28<sup>th</sup> July 2015 to 6<sup>th</sup> August 2020**Job Title:** Senior Systems Engineer**Role:** Linux Admin & Cloud Engineer**Project#1:****Client**

A leading product-based company in the Healthcare domain

**Responsibilities:**

- Experience in facilitating weekly and monthly production (PROD) release activities.
- Extensive experience in provisioning infrastructure on AWS across various environments, including DEV, SIT, PERF, UAT, Pre-production (PREPROD), and Production (PROD) utilizing Terraform, and the AWS Management Console.
- Engaged in the provisioning of S3 buckets, the upload of S3 files, and the configuration of S3 triggers.
- Involved in the creation of Lambda functions and deploying applications on lambda.
- Gained experience in creating SNS topics and adding subscriptions to these topics for dispatching email notifications to business users.

- Generating snapshots, Amazon Machine Images (AMIs), and overseeing Elastic Block Store (EBS) volumes.
- Monitoring AWS services such as EC2, S3, ELB, and Auto Scaling, among others, utilizing CloudWatch. Establishing new alarms to accommodate additional requirements as necessary.
- Engaged in the process of updating tags across all services.
- Possessing expertise in diagnosing and resolving issues related to EC2 instances.
- Engaged in the provisioning of the Redshift cluster and utilized it for executing SQL queries.

**Project#2:****Client**

A leading product-based company in the Banking domain

**Responsibilities:**

- Conducted server migrations from Virtual Machine to Virtual Machine (V2V) and Physical to Virtual (P2V) for both Windows and Linux servers utilizing VMware technology across different data centers as well as within the same data center.
- Executed virtual machine migrations employing various VMware technologies including VMotion, Cloning, Cold Migrations, and Hot Migrations. Additionally, resized CPU, memory (RAM), and storage allocations for virtual machines by client requirements.
- Resolved complications about Microsoft IIS bindings, DNS domain configurations, disk space limitations, and SQL Services on Windows servers.
- Conducted health checks and performance assessments of servers focusing on CPU utilization, memory usage, and file system utilization metrics.
- Acquired hands-on experience with Integrated Lights-Out (ILO) and console management tools.

**CERTIFICATIONS**

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**AWS certified solutions Architect – ASSOCIATE.****ACADEMIC BACKGROUND**

Electrical and Electronics Engineering (B.Tech)	Tirumala Engineering College	Year Completed: 2014
Higher Secondary School	Sarada Junior College	Year Completed: 2010
Secondary School	Kesav Model School	Year Completed: 2008

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**Declaration:**

I hereby declare that the above information is correct and true to the best of my knowledge, and I bear the responsibility for the correctness of the above-mentioned particulars.

**Place: Hyderabad****Mohan Krishna KVS**