CHAITANYA KALEPU
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Objective:

Seeking a challenging position as an engineer in an organization that utilizes my skill set and experience in software to provide world Multi cloud and Hybrid cloud, DevOps in an environment that encourages innovative thinking, recognition and career development

Summary:

- Expert in **Linux, AWS, Azure, GCP, DevOps, Container Orchestration, Virtualization.**
- Experience in **Amazon EC2, RDS, IAM, S3, ELB,EKS,ECS, AWS DevOps tools CodeCommit, CodeBuild, CodeDeploy, CodePipeline**, **Ansible, jenkins, Container Orchestration.**
- Experience on **Google Cloud Platform** services **Google Compute engine, Cloud storage, Cloud SQL, pub/sub, GKE, VPC, Cloud Load Balancing,Cloud IAM, StackDriver.**
- Experience on **Microsoft Azure Cloud** services **Virtual Machine, Azure DB for postgresql, VNET, LoadBalancers, Traffic manager, Firewall, Frontdoor, VPN connections, Storage Accounts, Azure policies.**
- Experience on **Azure DevOps** services **Azure Build and Release Pipelines.**
- Experience on Designing **Multi and Hybrid cloud** architecture environments.
- Development experience on python3.x, FLASK web development.
- Maintain AWS Infrastructure with AWS Lambda, Amazon Cloudwatch, AWS SNS for efficient use and reduce AWS Billing.
- Have experience on Continuous Integration/Continuous Deployment for application maintenance in AWS.
- Hands on Experience in Administering EMC VNX, EMC Clariion and IBM Storage Arrays.
- Hands on Experience in ESXi server in installation and Administering, Maintain VMware environment.
- Expertise in Configuring Organization Network infrastructure and Maintaining Firewall rules on requirement.
- Key Responsible for Maintaining All applications and Services and provided 24/7 support.

Professional Experience:

- Working as **Lead Consultant Technology** with **Virtusa Consulting Service pvt. Ltd Hyderabad** from **January-2020** to **till date**.
- Worked as a **Cloud Engineer** in **Cognitive Innovations labs Pvt ltd**. from **November-2018** to **December-2019**.
- Worked as a Consultant in **CAPGEMINI** from **March-2018** to **October-2018.**
- Worked as Software Engineer in **NEXIILABS PVT LTD** from **MAY 2013** to **Feb 2018.**

Technical Skills:

DevOps:
- Configured and maintaining CI/CD pipelines and jobs as per the project in Jenkins.
- Deploy and maintaining different staging environments with Container Orchestration in Docker.
- Deploy and manage Applications in Kubernetes Cluster.
- Build docker images and deploy applications with GKE Kubernetes cluster.
- Develop Infrastructure as Code with Terraform in AWS, Azure etc.,
- Instituted Ansible for configuration management and automation across four environments; guaranteed 100% reproducible system setup fixing numerous systems issues and speeding implementation time.
- Installed and maintained Jenkins for Continuous Delivery as well as automate Ansible Playbook runs against production infrastructure.
- Deploy and maintaining Application environments using Openshift.

Cloud Services:
- Setup and maintained AWS infrastructure with EC2 instances, ELB, EBS, Security groups, Auto-scalling, Cloudfront, IAM, Route53, VPC, Cloudwatch, RDS, S3 and AWS DevOps services CodeCommit, CodeBuild, CodeDeploy, CodePipeline.
- Manage AWS Infrastructure with AWS Lambda, Amazon Cloudwatch by configuring automated lambda functions, triggers for efficient use and reduce cost of AWS Billing.
- Experience on Google Cloud Platform services Google Compute engine, Cloud storage, Cloud SQL, pub/sub, GKE, VPC, Cloud Load Balancing,Cloud IAM, StackDriver.
- Experience on Microsoft Azure Cloud services Virtual Machine, Azure DB for postgresql, VNET, LoadBalancers, Traffic manager, Firewall, Frontdoor, VPN connections, Storage Accounts, Azure policies.
- Experience on Azure Devops Services configuring Azure Repos, Building repos using Azure Build pipelines, Configuring Release pipelines to deploy the Build artifacts into Respective Deployment groups.
- Maintaining user, groups, Roles, Policies with Amazon Identity Access Management(IAM)
- Setup and apply CI/CD using AWS DevOps services CodeCommit, CodeBuild, CodeDeploy, CodePipeline and CloudFormation for Applications
- Setup and maintain the infrastructure with CloudFormation service by writing JSON templates (Infrastructure as a Code).
- Setup and maintaining infrastructure by project wise in AWS using Amazon VPC.
- Create and maintaining compute and storage resources in Google cloud using console and gcloud tool.

Python:
- Developed filetransfer web application with python3.6, and flask as a framework.
- Developed remote server monitoring web appliction with python 3.6 and flask.
- Wrote AWS automated scripts with python boto3.
- worked with python modules paramiko, boto3, io, JSON, hashlib, sftp etc.,

Projects:

Project Title	A&E Devops BAU
Customer	A&E Television Networks US
Duration	Jan-2020 – Till Date.
Description	Infrastructure project for different A&E Applications. Work involves provisioning infrastructure as per requirements, supporting application teams for different issues and optimizing existing processes through automation and leveraging new technologies.

Role	Cloud DevOps Engineer

Responsibilities	☾ Deploy infrastructure with AWS Azure cloud.
	    Automate Infrastructure provisioning with Terraform, Python.
	    CI/CD with Azure DevOps Build, release pipelines, artifacts.
	    Deploy Application with GOCD Pipelines.
	     Build docker container images with docker files.
	     Deploy and manage Applications in Kubernetes Cluster.

Project Title	**Wallstreet Infrastructure Security and Database Migration**
Customer	Wallstreet Exchange Center, UAE
Duration	Nov-2018 – Dec-2019.
Description	Wallstreet is a Currency Exchange and Banking Company. Mapping of the current Software and infrastructure architecture and assessment of current application stack of tools developed in-house. Review the infrastructure design, Review if the resources and capacity are sufficient or not and Assess and analyze the DR and backup environment. Delivering the Hybrid environment with Microsoft Azure.
Role	Cloud DevOps Engineer

Responsibilities	☾ Deploy Hybrid infrastructure with Azure cloud.
	    Design and deploying CI/CD for developed application with jenkins, Ansible, Terraform, python, git, etc.,
	    CI/CD with Azure DevOps services, Repos, pipeline, artifacts.
	    Deploy Application with Ansible playbooks.
	    Automate Infrastructure provisioning with python and Terraform, ARM templates.
	     Deploying Azure services VM, Vnet, loadbalancer , firewall, vpn, application gateway, frontdoor, NSGs, Storage Accounts, Azure policies etc.,
	     Automating Build and release Deployments with Devops tools and Azure Services.
	     Build docker container images with docker files.
	     Deploy and manage Applications in Kubernetes Cluster.

Project Title	**CTU2.0 (Central Trigger utility)**
Customer	HSBC
Duration	Mar-2018 – Oct-2018
Description	CTU is to identify when a customer's financial crime risk rating and CDD profile should be reviewed following a trigger event and deliver this in a globally consistent manner.
Role	Goolge Platform Developer, Devops Engineer
Responsibilities	☾ Cloud resource creation (Pubsub, Dataflow,cloudSQL, GCE, Google Composer, Google KMS, Google Cloud Storage, etc..,) ☾ Capacity planning for the cloud environment ☾ Environment set up in GCP with Jenkins, Consul, Docker, Terraform and Ansible ☾ Provisioning Google Resources using Terraform. ☾ Jenkins pipeline code writing.

	Developing Docker files to build docker Container images.
	Build docker images and deploy applications with GKE Kubernetes cluster.

Project Title	Cloud Based Recovery
Customer	Sungard AS
Duration	MAR-2017 – Feb-2018
Description	SungardAS offers cloud based recovery software(CBR) to managed and unmanaged customers to perform failover and failback to AWS Cloud. Sungard provides CBR portal to the customer to perform disaster recovery from on-premise to AWS Cloud with RTO less than 2 hours and RPO of 15 minutes.
Role	Cloud Engineer
Responsibilities	☾ Work with developers to AWS resource creation. ☾ Capacity planning for the cloud environment ☾ Validated CBR portal to perform failover and failback from on-premise to AWS Cloud. ☾ Maintaining AWS IAM users and roles as per requirement. ☾ Validated RTO and RPO to perform failover from on-premise to AWS Cloud. ☾ Involved in writing test cases and test cases review.

Project Title	Automation of CodeApp CI & CD using Python for AWS
Customer	Nexiilabs
Duration	APR-2016 – Feb-2017
Description	CodApp is advanced HRMS tool which deals with Employee, Management, Salary, IT, Sales, Vendor and Project mgmt. As part of project, Python code is developed using the Boto3 module which automates the launching and configuring of AWS services, Code Creates two environments one for testing and another for production.
Role	Cloud Devops Engineer
Responsibilities	☾ Writing Python code meeting pep8 and pylint standards. ☾ Creating and configuring code-pipeline and integrating code-commit, code-build and codedeploy projects using code-pipeline. ☾ Creating and configuring projects in code-commit, code-build and code-deploy services. ☾ Setting up environment for CI and CD. ☾ Maintaining AWS infrastructure services(EC2, S3, ELB, VPC, RDS, etc..,) ☾ Configure and maintaining Autoscalling and Load balancer. ☾ Automating installation of required applications like Java, Tomcat, MySQL on servers.

	☾ Creating and configuring Amazon codedeploy service to deploy the application from S3 to Amazon EC2 instances.

Project Title	**Plugleads CI/CD using cloudformation**
Customer	Plugleads
Duration	Dec-2015 – Dec-2017
Description	PlugLeads CI&CD is project where the process of development, building the source code, and deploying the changes made to the application are integrated using the Amazon web services so that the check-ins made by the developers are deployed to the production server rapidly and continuously. Project is to automate even launching and configuration of the AWS services using CloudFormation, CloudFormation enables users to launch and configure AWS services using JSON/YAML template, We wrote JSON code to launch and configure each AWS service and integrated those services in same template and made the PlugLeads application devops enabled.
Role	Cloud Engineer
Responsibilities	☾ Maintaining AWS infrastructure services(EC2, IAM, S3, ELB, VPC, RDS, CodeCommit, CodeBuild, CodeDeploy,CodePipeline, etc..,) with cloudformation. ☾ Creating and configuring code-pipeline and integrating code-commit, code-build and codedeploy projects using code-pipeline. ☾ Creating and configuring projects in code-commit, code-build and code-deploy services using cloudformation templates. ☾ Setting up environment for CI and CD. ☾ Writing Cloudformation templates to spinup AWS Services. ☾ Configure and maintaining Autoscalling and Load balancer. ☾ Automate installation of required applications like Java, Tomcat, MySQL on servers. ☾ Creating and configuring Amazon codedeploy service to deploy the application from S3 to Amazon EC2 instances.

Certifications:

- Amazon Certified Solution Architect (AWS CSA).

URL: https://www.youracclaim.com/badges/5b9c077e-b12a-4191-9eb0-124ecdbc3515/public_url

- Microsoft Certified Azure Administrator AZ-103.

URL: https://www.youracclaim.com/badges/0efc6a0d-3b5e-48b0-9182-b347221fdece/public_url

- HashiCorp Certified Terraform Associate.

URL: https://www.youracclaim.com/badges/7d81d7d4-2c9b-4596-9fcc-018d44be03d0/public_url

ACADEMIC CHRONICLE:
M.C.A from GMR Institute of Technology (Affl.to JNTU), Rajam, Srikakulam Dist, A.P with **71%** in 2012.

DECLARATION:
The truthfulness of the details furnished above to the best of my knowledge and belief.

Date:

Place:Hyderabad   (K.S.Chaitanya)