

Krishnakanth Banreddy

AWS Developer

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Professional Summary:

- **Cloud DevOps engineer** with **6.8 years** of extensive experience in IT industry with ability to accomplish all aspects of software configuration management (SCM) process, Infrastructure, Build & Release management, Integration, Deployment and cloud engineering.
- Experience in **AWS** cloud services like **Virtual Private Cloud**, Public and Private Subnets, Security Groups, **Route Tables**, **Elastic Load Balancer** to host & support Enterprise Data Warehouse.
- Expertise in utilizing AWS services like **Route53**, **EBS**, **S3**, **EC2**, **SNS**, **Lambda**, **SQS**, **Cloud Front**, and **Auto Scaling** for deploying Java and Node Js applications to the cloud.
- Expertise in using different file and block - level storage systems like the **Elastic Block Store (EBS)**, **Elastic File system (EFS)**, **S3 Amazon Glacier & Snowball**.
- Experience in real-time monitoring and alerting of applications deployed in AWS using **Cloud Watch**, **Cloud Trail** and **Simple Notification Service**.
- Migration of infrastructure, data and applications out of legacy data centers into cloud and hybrid environments (public and private) utilizing **Direct connect**, **VPN**, **DMS** and **Storage gateway**.
- Hands-on experience in providing cloud-based infrastructure solutions in AWS with the following tools - **Git**, **EKS**, **Ansible** and **Terraform**.
- Extensive experience in designing and implementation of **Continuous integration**, **Continuous delivery**, **Continuous deployment** through **Jenkins** and **Ansible**.
- Experience in using containerization tools like **Docker** for deployment and build web applications, those can run consistently across any machine, have knowledge of containerization orchestration using **Kubernetes**.
- Automating AWS Environments by utilizing Cloud watch, Lambda functions and SNS

Technical Skills:

Operating Systems	RHEL/CentOS 5.x/6.x/7, Windows
Cloud Platform	AWS, Azure
Build/Automation Tools	Jenkins, Ansible, Docker, Terraform
Orchestration Tools	Kubernetes(EKS)
Languages	Yaml and Python scripting
Database	MySQL, Aurora, Dynamo DB, Redshift
Web/Application Servers	Apache Tomcat, Nginx
Monitoring Tools	Nagios, Prometheus
Version Control Tools	Git Hub
Bug Tracking Tool	JIRA

Education Qualification:

Bachelor's in Electrical and Electronics Engineering –Siddhartha Institute of Engineering and Technology, Hyderabad – Year 2013.

Professional Experience:

Client: Next Education India Pvt Ltd

Role: Cloud Administrator Nov 2016 - Jun 2018

Responsibilities:

- Involved in designing and deploying multi-tier applications using all the AWS services like (EC2, Route53, S3, RDS, Dynamo DB, SNS, SQS, IAM) focusing on high-availability, fault tolerance & auto-scaling in AWS Cloud formation
- Leveraged AWS cloud services such as EC2, auto-scaling and VPC to build secure, highly scalable and flexible systems that handled expected and unexpected load bursts

- Worked on AWS Cloud Watch, Cloud Formation (CFT), Cloud Trail services and Cloud Front to set up and manage cached content delivery. Provisioned AWS resources using management console as well as Command Line Interface (CLI)
- Implementing a Continuous Delivery framework using Jenkins, Ansible in Linux environment.
- Using Jenkins AWS Code Deploy plugin to deploy to AWS.
- Optimized volumes and EC2 instances. Created multi AZ VPC instances. Used IAM to create new accounts, roles and groups.
- Implemented AWS Route53 to manage DNS zones globally & to give public DNS names to ELB's and Cloud front for Content Delivery and Implemented Route 53 in effectively coordinating the load balancing & scaling functions.
- Creating containers with the help of Docker images. Virtualized the images by using the Docker files utilizing Jenkins Declarative Pipeline.
- Managed Docker orchestration and Docker containerization using Kubernetes(EKS) • Building video on demand Architectures utilizing services like Route53, EKS Cluster, S3, Elemental MediaConvert, ELB, Dynamodb, EMR, and Redshift.
- Experienced with deployments, Maintenance and troubleshooting applications on Microsoft Cloud infrastructure AZURE.
- Create and maintain highly scalable and fault tolerant multi-tier AWS and Azure environments spanning across multiple availability zones using Terraform and CloudFormation.

Client: Vivenns Global Private Ltd

Role: AWS Developer Jun 2018 – Present

Responsibilities:

- Responsible for Implementation, design, architecture and support of cloud based solutions across multiple platforms.
- Create and maintain highly scalable and fault tolerant multi-tier AWS and Azure environments spanning across multiple availability zones using Terraform and CloudFormation.
- Involved in design and deployment of multitude of cloud services on AWS stack such as EC2, Route53, S3, RDS, Dynamo DB, SNS, SQS, IAM, while focusing on high-availability, fault tolerance, and auto-scaling.

- Developed strategy to migrate Dev/Test/Production from an enterprise VMware infrastructure to the IaaS Amazon Web Services (AWS) Cloud environment.
- Automated Regular AWS tasks like snapshots creation using Python scripts
- Utilize AWS CLI to automate backups of ephemeral data-stores to S3 buckets, EBS and create nightly AMIs for mission critical production servers as backup.
- Responsible for creating Jenkins pipeline for deployment using Ansible.
- Worked in conjunction with multiple teams to make sure that the infrastructure and customer applications work harmoniously together.
- Worked on different types of environments like development, production and testing.