

# APARNA C

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## PROFESSIONAL SUMMARY:

Having **5+** years of total experience in IT and in which **3** years as **AWS DevOps** engineer mostly engaging on **Infrastructure, Maintenance and Monitoring** on AWS and experienced in various DevOps Tools like **Git, Github, Maven, Ansible, Jenkins, Docker, Kubernetes and Terraform**.

- Setup /Managing Linux servers on Amazon Cloud.
- Experienced in various AWS services like **EC2, VPC, ELB, IAM, S3, AMI, Security Groups, Cloud Watch, Auto scaling**.
- Expertise in DevOps like Configuration Management, Cloud Infrastructure, Automation it include **Jenkins, Git, Maven** etc.
- Experience on writing **Terraform** scripts to automate provisioning of AWS resources.
- Setting up databases in AWS using **DynamoDB, RDS**, storage using **S3** buckets and configuring instance backup to **S3 bucket**.
- Components configure or reconfigure themselves according to up-to-date information.
- Cloud controller managers act as the glue that allows **Kubernetes** to interact providers with different capabilities, features, and APIs while maintaining relatively generic constructs internally.
- Creating **Snapshots and Amazon machine images (AMIs)** of the instances for backup and creating clone instances.
- Experience in Containerization tool like **Docker**
- Utilized **Cloud Watch** to monitor resources such as **EC2, Amazon RDS services, EBS volumes**, to set alarms for notification or automated actions and to monitor logs for a better understanding and operation of the system
- Involved in Installing **Jenkins** on a Linux machine and created a **master and slave. configuration** to implement multiple parallel builds through a build farm.
- Worked on web servers like **Apache** and application servers like **Tomcat** to deploy code.
- Excellent analytical, coordination, and communication skills.
- Manage the configurations of multiple servers using **Ansible and Kubernetes**.
- Integrated the **Kubernetes, Ansible** playbooks with **Jenkins**.
- Having good exposure in Jenkins for CI (Continuous Integration)
- Experience on tools like **GIT, MAVEN, JENKINS, ANSIBLE, KUBERNETES and DOCKER**
- Worked in container based technologies like **Docker, Kubernetes and Openshift**
- Written manifests/Recipes and **Python** scripts to customize the **Ansible** as per our environment.
- Worked on Aws AI services such as **Amazon transcribe, Amazon Polly, Amazon translate**.

## **TECHNICAL SKILLS:**

- Version Control System : Git, GitHub
- Build Tools : Maven
- Artifact Repository Manager : Nexus
- Infrastructure as a Code : Terraform, Python, Cloudformation
- Configuration Management Tool : Ansible
- CI/CD Tool : Jenkins
- Containerization Tool : Docker
- Container Orchestration : Kubernetes
- Databases : DynamoDB, RDS
- Monitoring : Jira, Cloudwatch

## **ACADEMIC DETAILS:**

**M.tech (R&AC) in 2017 from JNTUA**

## **PROFESSIONAL EXPERIENCE:**

Working as **AWS DevOps Engineer** for **Wipro** from **feb 2020** to till date

Worked as **Linux Admin** for **Wipro** from **Jan 2018 to feb 2020**

## **PROJECT**

Client : Wipro  
Designation : **AWS Devops Engineer**  
Duration : Feb 2020 to Till date

## **ROLES & RESPONSIBILITIES:**

- Experience in **Build/Release** and DevOps methodologies and setting up and maintaining **CI & CD pipelines** and delivering releases for multiple Applications running on Linux based distributed Infrastructure
- Responsible for **Architecting, Designing, Implementing** and **Supporting** of cloud based infrastructure and its solutions.

- Proficient in AWS services like **VPC, EC2, S3, ELB, AutoScaling Groups, EBS, RDS, IAM, Cloud Formation, Route 53, CloudWatch.**
- Experienced in creating multiple **VPC's** and **public, private subnets** as per requirement and distributed them as groups into various availability zones of the **VPC.**
- Used **Security groups, Network ACL's, Internet gateways and Route tables** to ensure a secure zone for organization in AWS public cloud.
- Created **S3** buckets in the AWS environment to store files, sometimes which are required to serve static content for a web application.
- Used **IAM** for creating roles, users, groups and also implemented MFA to provide additional security to AWS account and its resources
- Maintained the monitoring and alerting of production and corporate servers using Cloud Watch service
- Deployed using **AWS Code Pipeline** on multimode with High availability environment and built a new CI/CD pipeline with **Jenkins** as CI tool with Maven as a build tool, Unit Testing for unit testing and Selenium testing as regression testing, and deployment automation with **Docker, Kubernetes, and Ansible**, and Monitored using **Cloud Watch.**
- Extensively involved in managing the AWS infrastructure such as **VPC, Subnets, Security Groups, S3, EC2, IAM, ELB, Route 53, RDS** using **Terraform.**
- Develop and Implement Terraform VPC module consisting of the following resources: VPC, Public/Private Subnet & Routing, Security Groups.
- Managed Ansible Playbooks to automate system operations and AWS Cloud management.
- Worked on branching, labeling, and merge for all applications in **Git.**
- Worked with **OpenShift** platform in managing Docker containers and **Kubernetes** Cluster.
- Successfully deployed OpenShift clusters in multiple environments, including development, testing, and production.
- Used **Docker engine and Docker Machine** environments to build containers and deployed the micro services-oriented environments for scalable applications. Wrote Docker files to build the micro-service applications.
- Set up continuous deployment pipelines using **Jenkins** across multiple **Kubernetes** clusters to stress the clusters with new infrastructure tools for **Kubernetes** in development environments.
- Provided consistent environment using **Kubernetes** for deployment scaling and load balancing to the application from development through production.
- We also worked on **Amazon Polly** and **Amazon translate** and **Amazon Transcribe** and also **Amazon SageMaker.**
- Integrated **Kubernetes** with network, storage, and security to provide comprehensive infrastructure and orchestrated containers across multiple hosts.
- Writing Python scripts used in automating the routine activities and run the administrative tasks.

