Ajay Kumar Tekam

aktekam01@gmail.com | +91 9713198455 | Hyderabad – 500016

Linkedin : **https://www.linkedin.com/in/ajaykt1**

Proficient in DevOps, automation, CICD, Build Pipelines, Jenkins pipelines, version control, scripting, Cloud services, AWS, Containers and microservices, SDLC models.

Projects

CICD Pipeline for Java Application to Deploy on AWS ECS Cluster using Jenkins, Github, Docker, SonarQube, Terraform, Maven

https://github.com/Ajaytekam/Jenkins-CICD   *Dec 2022 - Present*

- Created **EC2** instances for Jenkins, sonarqube and Nexus server using Terraform
- Integrated Jenkins with sonarqube for static code analysis & quality gate checks adn Nexus server to store project artifact.
- Created Jenkins pipeline build, source code is fetched from github repository, project gets built using maven, artifact gets stored on nexus server and docker image gets build and pushed on to the **AWS ECR** and gets deployed on the **AWS ECS** cluster. Also set up a slack notification for Build Jobs
- Set up **GitHub webhook** to trigger Jenkins build job
- Created **AWS RDS** for database , **Amazon Elastic Cache** and **Amazon Active MQ** services.

Deploying Java Application on Kubernetes Cluster (Kops, aws EC2)

https://github.com/Ajaytekam/K8s_Cluster_deploy   *Jan 2023- Present*

- Created and configured **Kubernetes Clusters** on **AWS EC2** instance with **kops** and **kubectl**. Containerized the application, create **docker images** and pushed into **dockerhub container registry**.
- Created **Kubernetes manifest files** to create **deployment and service components** for application, database, memcache and rabbitmq containers.
- Created **EC2 volume** and mount it to database deployment, deployed all the components and setup **AWS Route53** subdomain to access the web application.

Deploying Java Web Application on AWS using EC2, S3, Route53, ACM

https://github.com/Ajaytekam/AWSVprofileApp   *Nov 2022 - Present*

- Created **EC2** instances for tomcat web server, mysql database, Memcached and Rabbit MQ service, create private hosted zone in **Route53** for the backend services, create **IAM roles** to access with S3 access to deploy the artifact to app server from **S3 Bucket**, generate SSL Certificate and validate domain with **ACM** service
- Setup load balancer with autoscaling group and redirect the public load balancer dns to custom domain.

Hosted Jekyll Site on AWS S3 using GitHub Actions, Cloudfront CDN, Route53 and AWS Certificate Manager for SSL Certificate

https://github.com/Ajaytekam/s3_static_site   *Feb 2023 - Present*

- Created CI pipeline using **Github Actions** to host static website on **S3 Bucket**.
- Website Artifcact is generated using Jykell (static site generator) and push onto **S3 bucket**, and **CloudFront CDN** is used to distribute website content, and a custom domain **https://blog.aliencloud.tech** is configured via **Route53** service and **AWS Certificate Manager** for SSL Certificate.

Containerizing NodeJs Application with angular, nodejs, Java, Mongodb, Mysql server

https://github.com/Ajaytekam/emartapp-Docker-Deploy   *Nov 2022 - Present*

- Create **Dockerfile** for Client app, nodejs api server, java api server, mongodb and mysql services, Create the **docker-compose.yml** file, build image, test the services, and push the docker images onto dockerhub.

Contributions

Github : **github.com/ajaytekam**

Blog : **https://blog.aliencloud.tech**

Docker: **hub.docker.com/u/ajaytekam**

Technical Skills

- AWS
- Jenkins
- Docker
- Kubernetes
- Kops
- kubectl
- minikube
- Lens
- Ansible
- Terraform
- Vagrant
- YAML
- Git and Github
- Github Actions
- SonarQube
- Nexus Repo. Manager
- Maven
- Computer Networking
- Helm Charts
- Linux Server Administration
- RHEL, CENTOS and UBUNTU
- Windows System Administration
- Windows WSL

Programming/Scripting

- **Python :** *intermediate level experience with libraries like boto3, requests, paramiko, BeautifulSoup, fabric etc.*
- **Bash Scripting :** *intermediate level of writing automation and provision scripts.*
- **Go** : *Beginner level experience.*
- *Windows **Batch** Scripting and **Powershell** scripting*

Education

Master of Computer Applications
Guru Ghasidas University, Bilaspur (2018 - 2021) **CGPA 7.8**

Bachelor of Comp. Applications
Bilaspur University, Chhattisgarh (2015 - 2018) **67 %**