AKASH BHARAT KOCHURE

(AWS Engineer With DevOps Skills)

GET IN CONTACT

Mobile: 9561109276

Email: akashb2694kochure@gmail.com

Github: https://github.com/akashbkochure

LinkedIn: http://www.linkedin.com/in/akash-kochure-429007218

PERSONAL DETAILS

- Current Location: Pune
- Date of Birth: Feb 06, 1994
- Gender: Male
- Marital Status: Single / Unmarried

SKILLS

- **DevOps (** Git/Jenkins/Docker/Kubernetes **).**
- **AWS (** EC2/S3/Lambda/IAM/VPN/SNS **).**
- **SQL**
- **Shell (Bash) Scripting**
- **Linux/Unix/Ubuntu**

LANGUAGES

- Marathi
- Hindi
- English

COURSES & CERTIFICATIONS

- **"Advance Training In DevOps & Cloud ComputingTraining"** Certified by 3RI Technology, Pune.

EDUCATION

Graduation

Course	B.E.(Mechanical)
University	North Maharashtra University, Jalgaon
Year of Passing	2017
Grade	6.95CGPA = 62.00%

Class XII

Board	Maharashtra
Medium	Science
Year of Passing	2012
Grade	60.50%

Class X

Board	Maharashtra
Medium	Marathi
Year of Passing	2010
Grade	88.91%

DEVOPS PROJECTS

1) Complete CI/CD Project using Git, Maven, Jenkin-Server & Apache-Tomcat Server.
Create two public instances. Install Jenkins in one instance and Install Tomcat in another instance. Send web.war file on tomcat instance using Git as SCM tool.

2) Complete CI/CD Project using Ansible, Git, Jenkins, Maven & Tomcat-Server.
Create four Public Instances using one ansibleuser. Install Jenkin in one instance and install ansible in other one instance. Integrate jenkin-server with ansible-server. Then install tomcat in other two instances. Send your webapp.war file on tomcat server using ansible & git as SCM tool.

3) Complete CI/CD Project using Docker, Git, Jenkins, Maven & Tomcat-Server.
Create two public instances one with jenkin and other with docker. Create tomcat image container in docker instance and integrate your docker_host instance with your Jenkins instance and transfer web.war file on tomcat container using Dockerfile and git as SCM tool.

4) CI/CD Pipeline for Java Application to deploy on Kubernetes Cluster using Jenkins.
A Real time CICD Pipeline with integration of Jenkins & sonarqube for static code analysis. Dockerizing application and pushing image to private registry. Identifying misconfiguration in HELM using Datree. Pushing helm charts to nexus for re-usability. Manual approval for deployment. Deploying application on k8s cluster using helm charts. Configure mail server and Enable pull request (PR) trigger.

5) Automated CI/CD Pipeline for Django Web Application using AWS, Docker, Jenkins & Kubernetes.
A Real time CI/CD Pipeline with Jenkins & GitHub integration and a system designed to handle Databases, Servers and Orchestration using Docker, Docker Compose & Ansible.

6) Manage, Secure, Validate, Debug, Monitor, Hardening and Prevent Misconfiguration of Kubernetes.
Prevent k8s misconfigurations from reaching Production with Datree. Managing k8s cluster proficiency with lens. Manifest YAML templates using Monokle and Manages Multi Cluster with Kubesphere. Securing k8s cluster with Kubespace and Validate, clean k8s yaml with Validkube. Proficiently manages container using Ports and reduce cost with Kubecost.

AWS PROJECTS

1) 3-Tier-Architecture-Project 01- Webserver/Webhosting Page.
Create VPC with One Public Subnet and two Private Subnet. In Public Subnet Install Webserver/Webhosting Page. In Private Subnet-01 Install Apache2 & Php. With another Private-02 Subnet create Amazon Rds- Mysqldb. And at Last apply Autoscaling-Group (Minimum-02).

2) Serverless / Multi-Tier/ N-Tier Architecture.
Create Java Code for Hello World or StudentRecord with AWS Lambda, API Gateway, Dynamodb and Route53.

3) Creating file sharing and sync solution using OWNCLOUD and AWS.
To provide secure database solution for client, I use to install mysql database in private instance and owncloud app with php and apache2 http server in public instance so that only public instance with our sg and port can be access to our private instance database. Private instance can not be accessible by external world.

4) 3-Tier-Architecture-Project-02-XAMPP-Server/ PHPMyAdmin.
Create VPC with one Public & two Private Subnet. With one Public Subnet create 3 Public Instances also done similar with other two private subnets. Install myphpadmin in 3 public instances. Install apache2 & php in 3 private instances. Install mysqldb in other 3 private instances. Apply ALB Load Balancer.

5) Big-Data-Fabric / (AWS Glue+Athena+QuickSight) Project.
Create S3 bucket, create folder and upload .cvs file , Athena is use for query editor & manage with aws glue & crawler. Use Quick-Sight for creating data charts.

6) Integration of AWS SDK wrapper and Disk Schedular with Product Backed.
A Real time accessing AWS & Python using BOTO3. Formation of wrapper to compose S3 bucket using AWS CLI & Python to automate task of peculiar acclaimed services of AWS. Automate disk usage scheduling using Python schedule library.

7) Assimilation of VPC, NAT, API Gateway, Route53, Load Balancer, AWS Lambda and Data Migration from S3 to Glacier.
Composing VPC, Security layer, CIDR and Subnet setup. Directing traffic between resources & configuring NAT, API & Route53. In addition to move data from S3 to Glacier. Practicing Application & Network Balancer, Precipitate with Lambda trigger and deploying Python code in Lambda.

AWS Tutorial Labs Hands On

Lab-1) AWS SITE-TO-SITE VPN Configuration & Create Tunnel for Private IP**.**
Lab-2) AWS VPC-End-Point Configuration For S3 Bucket / DynamoDB / Athena Lab**.**
Lab-3) VPC Direct-Connect Lab.
Lab-4) VPC-Peering & VPC-Transitive-Peering between same/different region labs on Linux & Windows Instances**.**
Lab-5) REDSHIFT :- Deploying a Data-Ware-House with Redshift**.**
Lab-6) ELASTIC-BEANSTALK :- Create a Infrastructure with Elastic-Beanstalk with Python Code / JAVA + S3 Bucket + Cloud Environment**.**
Lab-7) LIGHTSAIL :- Hosting a Hello-World / Word-Press Web-Site on AWS LightSail.
Lab-8) SNS + SQS + LAMBDA :- Aws SQS + Lambda Function & send SMS Tutorial Lab**.**
Lab-9) CLOUD FORMATION & CLOUDFRONT :- Tutorial Lab**.**
Lab-10) OPENVPN :- OpenVpn Set-Up & Create Multiple Client user hosting static IP**.**
Lab-11) REST-API-Gateway + AWS Lambda Function :- Create Hello-World from Lambda and Dynamodb Lab**.**
Lab-12) Word-Press + AWS RDS :- Deploying WordPress site over AWS using RDS Lab**.**
Lab-13) S3 Bucket Cross Account Access Using IAM Role Lab.
Lab-14) Copy AMI & Key-Pair into Another Region and Another Account.
Lab-15) S3 Versioning, S3 Cross Region Replication & Static Web Hosting lab on AWS S3 Bucket.

Date :- **Yours's Sincerely ,**

Place :- Pune.