Key-points:

* Experience on AWS resources like EC2, EBS, Auto scaling, Load Balancer, AWS s3, AWS lambda, VPC, RDS, Cloud front, Cloud watch, Cloud formation, Cloud trails, Route53, Api Gateways, Elastic Bean stalk.
* Experience in **EC2**, to launch the instances depends on requirement, Creating the EBS volumes then attaching to required instances.
* Experience in creation of **AMI** and **Snapshots**, by using AMI to launch instances, by using the snapshots create the volumes.
* Experience on create the AMI, by using the AMI’s launch instances, copy the AMI one region to another region.
* Experience on creation of EBS volume, creating the snapshots then create new volumes from snapshots.
* Experience on creation of **Elastic IPS** and key-pairs then attach to the instances, Creates the Security groups to attach instances control.
* Experience on creation of Auto scaling, by using the auto scaling scale up and scale down instances based on health checks.
* Experience on creation of Load balancer, by using load balancer we divert the application traffic with the servers.
* Experience on creation of Auto scaling with Load balancer
* Experience on creation of security groups, set the ingress rules. (here we have to provide the port level access).
* Experience in AWS s3 resource, to create the **s3 buckets** then apply the bucket level permission’s, give to the gets and puts objects.
* Experience in Creation of Lambda functions in AWS, by this using functions stop and start the instances.
* Experience in **IAM**, creation of users and groups depends on requirement and provide to permissions new created IAM users, creation of roles, creation of policies.
* Experience in creation of IAM roles and polices then attach to user level and group level.
* Experience in creation of Policies, implement the MFA for user login level security.
* Experience in AWS Cloud Front, create the Cloud fronts then share the cloud front endpoints to end users.
* Experience in **AWS VPC** creation like, Subnets, Route tables, internet gateways, NAT gateways, security groups, NACLs.
* Experience in **AWS CLI**, by using the aws cli Launch the EC2 instances, s3 bucket creations, creation of EBS volumes, Creations of AMIs and Snapshots, Creation of IAM users.
* Experience on AWS cloud formation, to launch all aws resource less span of time with the help of cloud formation scripts.
* Experience on **Aws cloud watch**, creation of rules and alarms, by the cloud watch trigger the lambda function and auto scaling, send the notifications.
* Experience on aws programmatic by using the python programming language, by using the python launch and start, stop the ec2 instances, creations of s3 buckets, puts and gets the objects from s3 Buckets.
* Experience in migrate the applications **on premises** (or) physical environment to **AWS cloud,** then configure the applications on cloud environment.
* Aws Is have two types of access
* Api access (here non-root users)

Account type id

IAM username

Password

Aws cli:

Here using the IAM

Access-key:

Secrete-key:

* Programmatic access:

Here using the IAM

Access-key:

Secrete-key:

* We will the application on premises to aws cloud, we will follow the below steps
* We will gather the all requirements from client, like application size, cores, Ram, hard disk
* We will prepare the estimation cost sheet
* We will with my superiors once they will approve, we will start our process
* Once completion of application configuration contact with the developers
* Once create the EBS volumes attach to ec2 instance then we perform the portion, creating the file system then create the mount point, once portion will complete configure the application using the newly created mount point.
* Create aws lambda function’s for control the ec2 instances and s3 buckets
* Here we are using lambda, stop and start instance with the help of python programming language.

Sns remaining

Sqs

Storage:

Storage gateways

EFS

S3 Glacier

Network:

Clound front

[Route 53](https://console.aws.amazon.com/route53/home?region=us-east-1)

API Gateway

[Direct Connect](https://console.aws.amazon.com/directconnect/v2/home?region=us-east-1)

Database:

Dynamodb

[Amazon Redshift](https://console.aws.amazon.com/redshift/home?region=us-east-1)

Compute:

ECS

Elastic beanstalk

AWS cost management:

Management governance

Cloud trial

Cloud formation

Cloud watch

Customer engagement

Ses

Migration and transfer

Snowball

[Server Migration Service](https://console.aws.amazon.com/servermigration/home?region=us-east-1)