**AWS**

Manage customer and company AWS infrastructure using AWS services such as EC2, RDS, Lambda, SQS, Route 53, ECS, AWS Inspector, IAM, Certificates Manager, Cloudwatch. This involves planning, initial setup, monitoring, backups and troubleshooting issues.

Excellent experience in infrastructure provisioning for application deployment in AWS using Cloud Formation, Terraform and Ansible  
\* Excellent experience in designing and implementing AWS VPC by using AWS resources like AMI, EC2, Subnets, Internet Gateway, Virtual Private Gateway, Security Group, NACL, Route tables, EFS, ALB, ELB LAMBDA (load balancers), Auto scaling, Route 53 and VPN.

Infrastructure as code using AWS cloud formation scripts, AWS Lambda functions, Web API's, Terraform IAC, Ansible software provisioning, Python scripting and YAML.  
AWS security configuration including VPC setup and multi zone high availability design pattern.

Attaching and removing the EBS volumes to the Ec2 instances as per client requirements.  
• Having knowledge on creating the VPC and subnets in aws cloud.  
• Automating the creating snapshots of Linux servers and volumes using with existing EC2 Instance  
• Managing the ELB operations in aws  
• Creating the backup & restore operations of data using Aws s3 buckets  
• Creating the alerts configurations using cloud watch monitoring tool in aws

**TERRAFORM**

Use Terraform Infrastructure as code scripts to create / manage AWS infrastructure.

Taking advantage of the AWS provided services to enable a scalable and redundant platform.  
Optimising the Infrastructure as a Code using Terraform and implementing best practices. Avoiding  
mistakes by automating of recurring tasks with pipelines.

This role has involved using Terraform code to provision cloud resources for the automated build of the various Kubernetes environments such as AWS-EKS and GCP-GKE to run the in-house developed dockerised and database applications

Mainly focussed on Installing/Setting/configuring/production/Pre-Production/Development  
environments on AWS platform using Terraform / Cloudformation.

My role requires competency in multiple AWS offerings, including but not limited to: EC2; CloudFormation; SES;  
SQS; RDS; Route53; S3. Infrastructure is mostly deployed and modified using tools such as Terraform, which allows  
infrastructure to be created as code, and effectively source-controlled.

**DOCKER**

Onfido makes extensive use of Amazon's Web Services cloud infrastructure, in order to deliver their background- checking services. As a DevOps Engineer at Onfido, I maintain and improve the Jenkins-based, automated build and  
deployment process. I also work extensively with Docker; creating, modifying and deploying containers, which run as part of Onfido's progressive, micro-services approach to platform architecture.

At Moni Technologies, I was responsible for the building and deployment of PHP code, using Amazon EC2 and  
Bamboo. We made extensive use of Docker; every deployed application took the form of a Docker container, running on Ubuntu EC2 instances. Developers/DevOps used Github to version-control their code.

• Building base Docker images to be used for multiple projects

**KUBERNETES**

• Designed and Deployed a 300-node and 600-master kubernetes HA cluster on AWS using terraform for Hyperledger, BitCoin and Ethereum payments development platform for financial consultants globally using RabbitMQ. MongoDB and Amazon RDS. ReplicaSet, DeploymentSet, DaemonSets and ConfigMaps to manage the clusters.  
• I wrote and used kubectl, minikube and kops scripts written in bash, csh and perl to manage the cluster.

**ANSIBLE**

Production experience on using Ansible and had written several Ansible playbooks as per the business requirement.

 Working on the complex build deployment to the production environments and successfully automated the build deployments using Ansible and Shell Script.

 Writing customized scripts using Bash shell script and Python and pushing the scripts to all servers using Ansible.

**PYTHON**

Developing infrastructure and automation solutions as part of the Enterprise Infrastructure team.  
- Developing CLI tools in Python and Bash - Managing RHEL server lifecycles using Red Hat Satellite  
- Writing SaltStack modules in Python - Building a DevOps culture between Engineering and Operations

**JENKINS**

**GITLAB CI**

Code is committed to BitBucket-hosted Git repositories, and best practices are followed where feature branching,  
pull requests and merging are concerned. This is something I have previously sought to advocate, in my previous  
positions.

**NETWORK PROTOCOLS**

It was my responsibility to manage the company's cloud-based network and network security. This network included  
MySQL Amazon RDS nodes, Amazon's Route 53 for DNS, and EC2 for load balancers, SSL certificate deployment and all Linux servers.

Moni Technologies' configuration was interesting to me because it existed solely 'in the cloud'; Moni Technologies  
did not possess its own server hardware and it did not rent space in any conventional data centre. This strategy  
allowed the company to expand with minimal upfront cost, and with some expediency.

**ROLES**

The role involves Working closely with customers, company management and developers across the full lifecycle of customer website development projects, internal projects and related infrastructure. This includes providing support for on-premise and Cloud based systems.

Using services for the infrastructure such as an RHEL cluster in an own datacentre and AWS  
infrastructure rolled out with Puppet and Ansible. Enabling smooth deployment into all environments  
using Jenkins pipelines for a new project. The application was deployed into Docker containers  
managed by Kubernetes

Work with customer to understand their business and provide them with right tools and technology  
to automate their IT operations, reduce their cost on IT Infrastructure.

 Setup complete CI/CD pipeline using Jenkins from dev to production environments.  
● Automated and written bash scripts to minimize manually interventions during applications releases  
& production deployment. Installed/Configured/managed GitHub Jenkins, Ansible and Zabbix

Using AWS and multiple services as the ALB (Application Load Balancer), Auto Scaling, ECS  
(Elastic Compute Cloud), Lambda, Cloudwatch and other provided services we were able to accomplish a stable containerised platform enabling scalable and redundant applications. The  
deployment of the applications with Bitbucket Pipeline and Jenkins allowing rollbacks to any  
previous version.

Responsibilities  
Working within a DevOps team assigned to different groups. My group was responsible for the API's.  
As the first contact for the developers and management, it was my responsibility to enable a smooth  
deployment and high availability of our API's to the customers.  
  
Accomplishments  
Using services for the infrastructure such as an RHEL cluster in an own datacentre and AWS  
infrastructure rolled out with Puppet and Ansible. Enabling smooth deployment into all environments  
using Jenkins pipelines for a new project. The application was deployed into Docker containers  
managed by Kubernetes.  
  
Skills Used  
Creating Jenkins pipelines for new Docker containerised applications managed by Kubernetes within a data centre running on RHEL and the AWS cloud service.

Responsibilities  
The IT infrastructure moved into AWS. Part of my responsibility was to mature the infrastructure as a Code. Managing the containerised applications in every environment and implementing monitoring to  
identify issues ideally before occurring and the ongoing optimisation of the environment. Working  
together with the Developers and standardise and automate the Pipelines including tests code and the repeatable execution and possible rollback of deployments.  
  
Accomplishments  
Using AWS and multiple services as the ALB (Application Load Balancer), Auto Scaling, ECS  
(Elastic Compute Cloud), Lambda, Cloudwatch and other provided services we were able to accomplish a stable containerised platform enabling scalable and redundant applications. The  
deployment of the applications with Bitbucket Pipeline and Jenkins allowing rollbacks to any  
previous version.  
  
Skills Used  
Taking advantage of the AWS provided services to enable a scalable and redundant platform.  
Optimising the Infrastructure as a Code using Terraform and implementing best practices. Avoiding  
mistakes by automating of recurring tasks with pipelines.

**SKILLS**

Bash (10+ years), Kubernetes (2 years), Terraform (3 years), Microsoft Windows (10+ years), Linux (10+ years), AWS (6 years), Networking (10+ years), Firewalls (10+ years), Jenkins (6 years), Docker (4 years)