**SUMMARY:**

* A dynamic professional with 3.4 years of IT experience in **AWS cloud** design, development, consultancy, assessment, solution the migration of applications to cloud.
* Experience in solution of datacenter migration and deployment in **Hybrid** **Cloud Architecture**.
* Hands on experience in managing AWS Cloud Services (EC2, VPC, S3, RDS, ECS, IAM, Route 53, Dynamo DB, AWS Import/Export and AWS DMS) with Cloud Formation.
* Extensive working knowledge on design and implementation of VPN.
* Involved in Database Migrations using DMS Service.
* Hands on experience in setting up Auto Scaling Groups for EC2.
* Deep knowledge of CI (Continuous Integration) and CD (Continuous Deployment) methodologies with Jenkins.
* Hands on experience with SCM tools like Git and version management.
* Knowledge on Linux Administration (Installation, Configuration).
* Knowledge in delivering container based deployments using Docker. Having knowledge on Docker Clustering using Swarm.
* Hands on experience in creation of Virtual Environments using Vagrants.
* Knowledge on Automation tools like Chef and Management tools like Docker.
* Good Analytical and Communication skills.
* Highly flexible and capable of learning new tools and applications.
* Possess good communication and team spirit.

**PROFESSIONAL EXPERIENCE:**

* Working as AWS Cloud Engineer in Immergreen Envitech Solutions Pvt Ltd, Bangalore, India (10th Nov 2014- Present).

**EDUCATIONAL QUALIFICATIONS:**

Graduate from DVR & DR.HS MIC College of Technology, Kanchikacharla in the year 2014.

**TECHNICAL SKILLS:**

Programming Languages - Python

Cloud Services - AWS (EC2, Route53, VPC, S3, RDS, IAM, Dynamo DB, ECS)

Monitoring & Messaging tools - Cloud Watch, SNS, Cloud Trail, SES, SQS, Nagios

Operating System - Windows, Linux (Red hat, Centos, Ubuntu)

Migration tools - AWS Import/Export, AWS DMS

Management tools - Docker Swarm

Database - PLSQL and MYSQL

Version Control - Git

CI/ CD - Jenkins

Scripting - Shell

**PROJECT#1:** (Dec 2016 to March 2018)

* **Sharethis Inc.**
* **Role:** AWS Cloud and Devops Engineer

Sharethis, Inc. provides a social sharing platform and solutions for advertisers/publishers. The project deals with migration, administration, maintenance and support of Sharethis. As an AWS Cloud Engineer, I am responsible for customer interactions to understand their project requirements. Depending on the inputs from the customer, we would design and deploy scalable, high available, and fault tolerant services on AWS. Design, architect, and Implement cloud-based on business requirements.

Sharethis uses EC2 instances and crunches their link logs every night, adding them to its 10 terabyte data warehouse stored on Amazon's service. Supporting Devops teams wishing to use AWS (Solution Architecture, Solution Design, Solution Engineering).

**RESPONSIBILITIES:**

* Strong experience in designing, cost efficient fault tolerant, scalable solutions and distributed systems in AWS.
* Deploying AWS stack through Cloud Formation templates -involves task such as deploying databases on RDS in existing VPC.
* Using AWS cloud services such as EC2, auto-scaling and VPC to build secure, highly scalable and flexible systems that handle expected and unexpected load bursts.
* Maintaining the user accounts (IAM), RDS, VPC, SQS and SNS services in AWS cloud.
* Created various shell scripts for purging, archiving and various types of AWS configurationally scripts and Cron Job for scheduling as per the client requirements.
* Handle data flows and backups on Amazon Simple Storage Service (S3). Used DMS to migrate MySQL databases from on-premises to Cloud.
* Migration of Oracle databases running on EC2 and on Premises to Amazon RDS database using DMS.
* Support the engineering teams regarding CI/Build tools, Environments and Automation.
* Working with cross functional, geographically distributed team to provide 24X7 deployment support across multiple environments.
* Managing Continuous Integration and Continuous Delivery (CI/CD) using Jenkins.
* Configuring CRON Jobs for executing daily activities such as Backup/Archive etc. in Chef/Puppet.

**PROJECT#2:** (Nov 2015- Oct 2016)

* **Kuoni (UK) website hosting and SOTC Travel Services Pvt Ltd**
* **Role:** AWS Cloud Engineer

**Kuoni Travel** is a tourism company, operating various services including Charter and scheduled passenger airlines, package holidays, cruise lines, and hotels. The project deals with migration, administration, maintenance and support of Kuoni.

AWS cloud deployment would allow Kuoni to scale its services up and down as demand grew or shrank; moreover, they would only pay for what they consumed, when they consumed it. Following the migration, KCOM then provided development services that included taking the back-end code base from the hosted website, replicating it on the AWS service and then implementing and integrating new content and customer journeys. Kuoni uses Simple Storage Service (S3) used to backup large quantities of data, the Simple Queue Service (SQS) for messaging between computers, and the NoSQL Database (Dynamo DB) for unstructured data storage needs.

**RESPONSIBILITIES:**

* Used AWS Cloud Services like EC2, VPC, S3, RDS, ECS, IAM, Route 53, Dynamo DB, AWS Import/Export with CLI and Cloud Formation.
* Migration of the on-premise solutions to Amazon Cloud using EC2, VPC and S3.
* Utilized CloudWatch to monitor resources such as EC2, CPU memory, Amazon RDS DB services, DynamoDB tables, EBS volumes; to set alarms for notification or automated actions; and to monitor logs for a better understanding and operation of the system.
* Utilize Amazon Glacier for archiving data and S3 for storing critical data and for storing backup data. Used IAM to create new accounts, roles and groups.
* Migration from MySQL to Dynamo DB.
* Used Jenkins for Continuous Integration.
* Interactions with **Client** for clarifications on requirements as well as design approaches.
* Setting up and maintaining monitoring & alert systems for servers.
* Working with various cross-functional engineering specialists, project managers and application development teams to define and implement a cloud-based hosting solution.
* Setting backups / replications / archiving, implement disaster recovery.

**PROJECT#3:** (Jan 2015- Oct 2015)

* **Trucks First ( Rivigo)**
* **Role:** AWS Cloud Engineer

Rivigo (then Trucks first) was founded in 2014 with a unique operating model that has enabled it to consistently and reliably provide unparalleled delivery times to clients, while fundamentally improving the quality of life of truck drivers.

Trucks First’s project includes setting up Environment on AWS Cloud. Implemented all the Best Practices related to Security, Availability and Scalability. Efficient security design of applications with all available security features including HSM, SSL certificates, encryption, roles and access controls through IAM, network security by security groups, ACLs, and Bastion hosts.

**RESPONSIBILITIES:**

* Maintain all the machines in Secured Shell [VPC] with public and private subnets.
* Creating of EC2 Instances and managing Snapshots and create volumes from Snapshots.
* Configured S3 to host static web content.
* Used Object lifecycles and versioning in S3 for storing backups and automatically deleting logs after specific time.
* Worked on IAM for Identity on Access Management for AWS using Multifactor authentication.
* Created public & private subnets using VPC.