**Cloud solutions Architect**

**Summary**

*Over 5 years of Information technology experience in Cloud technology on Big Data environment. Maintaining current and applicable knowledge of industry, market and IT services best practices and trends as well as maintaining certification on AWS to evaluate and ensure company solutions and services are meeting the needs of clients. Investigate and debug issues in the Database and Services, create and work with QA & Data Analysts to ensure highest quality within the system. Experienced working with onboarding internal clients. Create and execute a strategy to build mindshare and broad use of AWS within a wide range of customers and partners. Master’s degree in Computer Information Systems.*

**HIGHLIGHTS**

* AWS core services, Compute, Networking, Storage, CDN, Application Services and Deployment.
* API Gateway, NAT Gateway, Transit Gateway, Virtual Privet Gateway, VPN, Direct Connect.
* Object Storage, Block Storage, File Storage.
* Web Services and application integration development and design.
* Serverless services, SQS, SNS, Lambda, S3, Kinesis, API Gateway, CloudFront, Redshift.
* Databases, Oracle, SQL Server, My SQL, MariaDB, Amazon Aurora, PostgreSQL.
* No SQL Databases, HBase, DynamoDB, Mongo DB.
* VPC, AZ, ELB, CLB, ALB, KMS, EC2, Auto Scaling, CloudWatch, CloudTrail,
* Cross Account Access Management, MFA, Security Credentials, Subnet and Dual-Homing.
* VM-Series Firewall, Palo Alto, Cisco ASA.
* Operating Systems, Linux, UNIX, Windows and MacOS.
* PaaS, SaaS, IaaS, and Third Line of defense security.
* Good understanding of installations and updates. Good organizational abilities.
* GitHub, Visual Studio Code, PowerShell. HeidiSQL, IntelliJ IDEA.

**WORK EXPERIENCE**

**Verizon Ashburn, VA Cloud Architect Sep 2018 – Present**

**Responsibilities:**

* Identified weaknesses and potential points of failure in the current design and infrastructure and successfully solved the problem.
* Used serverless services S3, CloudFront, API Gateway, Lambda, DynamoDB on project.
* Implement data streaming with Kinesis on real time.
* Selecting appropriate Cloud services to design and deploy an application based on given requirements.
* Managed and Automated AWS cloud infrastructure with Terraform.
* Information and application security concepts including public key encryption, remote access, access credentials, and certificate-based authentication.
* Deep Expertise in the design/usage of the core AWS Product set such as EC2, VPC, S3, CloudFormation, Elastic Beanstalk, RDS, Route53, CloudFront.
* Used Redshift for Business Intelligence to save money with terabyte of data.
* Route all logs in S3 with retention policy and used Athena for Log processing.
* Designed Management VM-Series Firewall to Subnet and Dual-Homing, Network Infrastructure, Pola-Alto deployment to minimize management related risks.
* Provide architecture and connectivity design, workload optimization and solution design leveraging PaaS, IaaS and SaaS as offered by AWS.
* Generating reports from multiple sources using Redshift on Data Warehouse.
* Create hybrid architecture for Database with AWS Direct Connect.
* Create Database in different AZ with HA.
* Set up Aurora database for client and with Multi AZ and Cross Region replica.
* Set up Auto Scaling, Fault tolerance and HA, for EC2 instances.
* Monitor Hadoop cluster connectivity and performance.
* Assisted with data capacity planning and node forecasting.
* Deployed the data in EMR on AWS for data lake.
* Deep understanding Log Retention with CloudTrail and store it on S3 bucket.
* Configure LB for Cluster according to company needs.
* Create and managed Data lake for DNS query logging.
* Integrate compliance and data regulatory requirements into all solutions.
* Set up Cloud Third Line of defense security access layers for database using NACL, SG, Routs.
* Worked on analyzing Hadoop stack and different big data analytic tools including Pig, Hive, HBase database and Sqoop.

**Travelers Hartford, CT Cloud Architect October 2015 – August 2018**

**Responsibilities:**

* Designing and deploying dynamically scalable, available, fault-tolerant, and reliable applications on the Cloud.
* Managed all OUs and Service Control Polices in different departments.
* Created a Trail for Log Retention with CloudTrail and store it on S3 bucket.
* Modernized and augmented company's platform capabilities and enabling an internet-fit product.
* Configure AWS managed LB for Cluster.
* Collected the logs data from web servers and integrated in to HDFS using Flume.
* Create IAM roles to AWS account for Developer team and CloudWatch logs.
* Set up Cloud Third Line of defense security access layers for database using NACL, SG, Routs.
* Architect VPC Rack Awareness for read/write HDFS files and avoid a single point of failure.
* Designing and implementing the non-production multi node environments on HDP with AWS.
* Architect VPC Rack Awareness for read/write HDFS files and avoid a single point of failure.
* Set up AWS IAM roles for users and clients.
* Designing a multi-node clusters for production environment based on the future data growth.
* Wrote the shell scripts to monitor the health check of EMR services and respond accordingly to any warning or failure conditions.
* Implement the different cloud computing models - IaaS, PaaS, or hybrids.
* Involved in loading data from UNIX file system to Document DB.
* Managed RDS and setup HA with Multi AZ read replica and Master/Secondary.
* Implemented Capacity scheduler to securely share the available resources among multiple groups.
* Knowledge of networking concepts DNS, TCP/IP, and firewalls.
* Designed Management VM-Series Firewall with Cisco ASA.

**EDUCATION**

* Master of Science in Information Technology, 2020.

**CERTIFICATION AND TRAINING**

* AWS Certified Solutions Architect SAA-C02.