



SENTHILKUMAR

AWS Cloud Engineer

nsk.senthilkumaran@gmail.com (+91)-8056605297, Rasipuram, TamilNadu 637401

OBJECTIVE

Result-Driven professional with 3 years of experience in implementing and maintaining system applications in AWS cloud in Linux Environment. Selecting the appropriate AWS service based on data, compute, database or security requirements. Identifying appropriate use of AWS Architectural best practices.

PROFESSIONAL SUMMARY

- Proficient working knowledge of Amazon Web Services **EC2, ELB, Auto scaling, IAM, EBS, VPC, S3, Route 53, Cloud Watch.**
- Worked on the **Linux** operating system.
- Selecting the appropriate AWS service based on **data, compute, database or security environments.**
- Setup/Managing Linux Servers on Amazon (EC2, EBS, ELB, Security Groups, IAM).
- Amazon **IAM** service enabled to grant permissions and resources to users.
- Managed roles and permissions of users with the help of **AWS, IAM.**
- Built S3 buckets and managed policies for **S3** buckets.
- Involved in designing and developing Amazon **Elastic Load Balancing** and other services of the AWS infrastructure.
- User, Group and file administration in Linux.
- Manage file permissions in Linux.
- Good knowledge of booting process
- Create and maintain day-to-day Backup and Restore using Tar
- Good team player and excellent leadership qualities. Hardworking, honest with interpersonal skills.

TECHNICAL SKILLS

- **Cloud Platform:** Amazon Web Services (AWS)
- **Operating System:** Linux
- **Web Server:** Apache
- **ETL Tools:** Secure CRT, Putty
- **Certification:** Redhat Certified Engineer(RHCE), **150-213-650**
Redhat Certified System Administrator (RHCSA)
AWS Certified SYSOPS Administrator – Associate (**EWTZYKJ1QM111T51**)

Work Experience:

Cloud SysOps Admin – HCL Tech Pvt Ltd (At present)

- Designed and developed cloud-based applications and services that are highly available, scalable, and fault-tolerant.
- Enable and manage Cloud Watch monitoring tool for the EC2 Instances and also configure alarm, SNS services as per project requirement
- Implemented best practices for security and compliance in cloud-based environments.
- Participated in the design and architecture of cloud-based solutions, including selecting appropriate services and components from AWS or other cloud providers.
- Developed and maintained automated deployment pipelines and infrastructure-as-code solutions to streamline the deployment and management of cloud-based services.
- Collaborated with other teams and stakeholders to identify and address issues and dependencies across different systems and components.
- Continuously monitored and optimized the performance and cost-efficiency of cloud-based services.
- Resolved technical issues related to cloud-based services and provided timely support to end-users.
- Stayed up-to-date with emerging trends and technologies in cloud computing and identified opportunities for innovation and improvement.
- Maintained documentation and knowledge sharing to enable other team members to understand and use cloud-based solutions effectively.

Cloud Specialist – Mavenir Systems Pvt Ltd (June 2020 – June 2022)

- Designed, developed, and maintained Cloud-based applications and services using AWS stack and Python programming.
- Collaborated with cross-functional teams to ensure the feasibility and security of Cloud-based services.
- Conducted feasibility studies and assessments of Cloud-based services and applications to maximize business added value.
- Established innovative ways of working to improve team productivity and efficiency.
- Managed and monitored Cloud-based services to ensure their stability, reliability, and security.
- Worked collaboratively with the team to improve the performance and scalability of Cloud-based services.
- Provided technical support to the end-users of Cloud-based services.

PROJECT #1: Optimistic Cloud Infrastructure Solutions to Digital marketing and media Industries.

Role: AWS Cloud Administrator + Linux Administrator

In this project, I am a part of the AWS + Linux Admin and Cloud Team. We are providing cloud services to our US Based Clients which are in Digital Marketing Business

Responsibilities:

- Responsible for managing different AWS services like AMI, Auto scaling, Security Groups, EBS, IAM users, policies, roles
- Responsible for Setup/Managing Linux Servers on Amazon
- Monitoring Servers through Amazon Cloud watch, SNS
- Possess good knowledge in creating and launching EC2 Instance using AMI's of Linux, Ubuntu and Windows
- Creating AMI, Snapshots, Volumes
- Creating S3 buckets in the AWS environment to store files
- Configured S3 buckets with various life cycle policies
- Enable and manage Cloud Watch monitoring tool for the EC2 Instances and also configure alarm, SNS services as per project requirement
- Configured security groups for EC2 instances
- Created users and groups using IAM and assigned individual policies to each group
- Created S3 backups using versioning and moved objects to Amazon Glacier to archived

**PROJECT #2: Provide Cloud & Digital solutions to industries like Healthcare,
Pharmaceutical Role: AWS Cloud Administrator**

As here in current project I have Carefully Monitored and Managed AWS services and part of project which was in Healthcare and Pharmaceutical Sector domain

Responsibilities:

- Creating Load Balancer and attaching EC2 machine to the Load Balancer
- Recognize AWS Compute and Networking options and use Amazon Elastic Compute Cloud (EC2) and Amazon Elastic Block Storage (EBS)
- Configured Elastic Load Balancer with EC2 Auto scaling groups
- Created Highly Available Environments using Auto scaling, and Load Balancer
- Uploading object into S3 Bucket, Accessing the object, Making object private
- Experienced in S3 Versioning and lifecycle policies
- Created monitoring alarms and notifications for EC2 hosts using Cloud Watch
- Add IGW, Route Table components in VPC as per requirement
- Creating/Managing AMI/Snapshots/Volumes, Upgrade/downgrade AWS resources (CPU, Memory, EBS).

EDUCATION

- **Anna University Chennai, Kongu Engineering College**
Master's in Computer Science & Engineering,
2018 / 78%
- **Anna University Chennai, Muthayammal Engineering College**
Bachelor's of Computer Science & Engineering,
2015 / 76%

I hereby declare that the above-mentioned information is correct up to my knowledge and I bear the responsibility for the correctness of the above-mentioned particulars.

Date:

Place:

Signature