

RAKESH SIVAGOUNI

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Senior Cloud Solutions Architect

Summary

- Over 3+ years of experience planning, designing, implementing and maintaining system applications in AWS Cloud in Windows and Linux environments and overall 5+ years IT-related experience.
- Experience in maintenance and configuration of user accounts for dev, QA and production servers and created roles for EC2, RDS, S3, CloudWatch, EBS resources to communicate with each other using IAM.
- Experienced in creating multiple VPC's and public, private subnets as per requirement and distributed them as groups into various availability zones of the VPC.
- Build servers using AWS, importing volumes, launching EC2, RDS, creating security groups, auto-scaling, load balancers in the defined virtual private connection.
- Designed AWS Cloud Formation templates to create multi-region web applications and databases.
- Worked with Docker container infrastructure to encapsulate code into a file system with abstraction and automation.
- Excellent communication, analytical and problem-solving skills with the ability to work within a team environment and independently.

CAREER OVERVIEW

***August 2020 - Present Senior Cloud Solutions Architect @
"Omulus Infotech Private Limited"***

Roles & Accomplishments :

- Design, architect and deploy cloud solutions that meet product and customer needs for scalability, reliability, performance & cost-effectiveness.
- Delivered Solutions to improve cloud architecture, deployment for AWS Private and Public Cloud.
- Writing code to automate and optimize the deployment of infrastructure and applications in a DevOps fashion.
- Responsible for creating and managing client-facing documentation including implementation and planning artifacts for complex cloud engagements.
- Implemented best practices for backups and disaster recovery of production systems in AWS.
- Responsible for configuring and securing the infrastructure on the AWS cloud.

Skills Displayed:AWS: EC2, S3, RDS, VPC, CloudFormation, CloudFront, ROUTE 53, ElastiCache, S3, DynamoDB, Glacier, EFS, CloudWatch, CloudTrail, ASG, IAM, ECS,SNS,SQS,SES.

Hands-on Tools & OS: Git, Maven, Ansible, Docker, Red Hat Linux, CentOS, Ubuntu, Unix, Windows, Jenkins.

In Cloud: Cloud Automation, Cloud Security, Cloud Applications, IaaS.

***November 2017 – November 2019 Cloud Solutions Architect @
"Digitivy Software And Services India Private Limited"***

Roles & Accomplishments :

- Written Templates for AWS infrastructure as a code using CloudFormation to build staging and production environments.
- Build configure a virtual data centre in Amazon Web Services cloud to support Enterprise Data Warehouse hosting including Virtual Private Cloud(VPC), Public and Private Subnets, Security Groups, Route Tables, Elastic Load Balancer.
- Created NAT gateways and instances to allow communication from the private instances to the internet through bastion hosts.
- Used security groups, network ACL's, internet gateways and route tables to ensure a secure zone for the organization in AWS public cloud.
- Written cloud formation templates in JSON to create custom VPC, subnets, NAT to ensure successful deployment of web applications.
- Created and configured elastic load balancers and auto-scaling groups to distribute the traffic and to have a cost-efficient, fault-tolerant and highly available environment.
- Experienced in creating RDS instances to serve data through servers for responding to requests.
- Created snapshots to take backups of the volumes and also images to store launch configurations of the EC2 instances.
- Implemented domain name service (DNS) through route 53 to have highly available and scalable applications.
- Experienced working on several Docker components like Docker Engine, Hub, machine, compose and Docker registry.
- Worked on deploying and maintaining multi-container applications through Docker.
- Managing Amazon Web Services (AWS) infrastructure with orchestration tools such as Kubernetes.

Skills Displayed: AWS: EC2, ELB, EBS, EFS, RDS, ElastiCache, Route 53, CloudFront, CloudWatch, S3, CloudFormation, Cloud Trail, IAM, SNS, SQS, Work email, Nginx, Unix/Linux, VPC, SES, Docker.

November 2016 – October 2017 Cloud Engineer@ "JustRoar"

Roles & Accomplishments :

- Setup and manage Linux Servers on Amazon EC2 (EC2, AMI, EBS, ELB, ASG, Security Groups)
- Setup and manage Virtual Private Networks in Amazon (VPC, Subnets, Route Tables, NAT Gateway, Elastic IPs)
- Creating and maintaining S3 buckets. (Versioning, ACLs, Static website hosting, Archival)
- Ability to design applications on AWS taking advantage of disaster recovery.
- Configured AWS Identity Access Management (IAM) Group and Users for improved login authentication.
- Creating and maintaining CDN using Amazon CloudFront.
- Maintaining Route53 Hosted zones and record sets.
- Monitoring the infrastructure using Amazon Cloudwatch.

Skills Displayed: AWS: EC2, ELB, ASG, S3, CloudFront, IAM, VPC, Route 53, EBS, SES, RDS, Workmail.

November 2014 – October 2016: Associate Software Engineer@ "Techxchange Consulting"

Roles & Accomplishments :

- Installing and set up Web server (Apache, Tomcat), Database Server(MySQL)
- Installing and configuring File servers (NFS, Samba)
- MySQL Database security, creating users and managing

permissions.

- Linux Filesystem handling and creating LVM Partitions.
- Scheduling jobs and log rotation using crontab.
- Monitoring production server health.
- User and group administration.
- On-call support to users for OS, Office 365 and Outlook.

Skills Displayed: Linux: NFS, Samba, Apache, MySql, FTP, SMTP, LVM, Monitoring.

◆ PROFILE OVERVIEW

- Promising AWS Engineer having good knowledge and understanding of various AWS Services and Linux System Administration tools and technologies.
- Certified as Red Hat System Administrator and Red Hat System Engineer
- Solid understanding and knowledge in most of the AWS Services.
- Experience in building highly-available, scalable, fault-tolerant applications in AWS Cloud using EC2, ELB, ASG, S3, CloudFront, VPC, IAM, Cloudwatch, Route53.
- Hands-on experience in migrating infrastructure from on-premises to AWS Cloud.
- Installation, Configuration and maintenance of Linux Servers like Apache, Tomcat, NFS, Samba, FTP.
- Endowed with a passion for winning as evinced through demonstrated success in academic areas.
- Adept in grasping new concepts quickly & utilizing the same in a productive manner. Excellent decision-making, interpersonal, communication skills and analytical abilities.

Key Deliverables

- **Designing & Development:** Creating technical design specifications; Developing/building IT solutions to meet business requirements; installing and configuring solutions; Developing and/or implementing reusable components.
- **Troubleshooting:** Troubleshooting existing information systems to identify errors or deficiencies and develops solutions also responsible for troubleshooting existing information systems to identify errors or deficiencies and develops solutions.

- **Documentation:** Documenting functions and changes to new or modified modules and activities/results. Ensuring all applications documented according to standards.

CREDENTIALS

Bachelor of Technology from Electronics and Communication Engineering (2010-14) from Sree Datta Institute of Engineering and Science, JNTU Hyderabad.

CERTIFICATIONS

- Red Hat Certified System Engineer (Certificate Number: 170-043-202)
- Red Hat Certified System Administrator (Certificate Number: 170-043-202)
- AWS Certified Solutions Architect Associate (Validation ID LJQYTXC1NR418CL)