Mayuresh Rajendra Sawant.

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Location: Navi Mumbai.

PROFILE SUMMARY:

Accomplished Cloud Engineer role with experience in managing Cloud server infrastructures. Effectively plan, install, configure and optimize the cloud infrastructure to consistently achieve high availability and performance. Helping customers with well define architecture best practices to build highly scalable and resilient applications on the AWS Cloud Platform.

CERTIFICATIONS:

- AWS Solution Architect – Professional.   2019
- AWS Solution Architect – Associate.   2017

Skill Set

Amazon Web Services:

- Worked exclusively on deploying, managing, and operating scalable, highly available, and fault-tolerant systems on AWS.

- Experience of architecting services of AWS on a theoretical and practical level (EC2, IAM, VPC, EMR, Lambda, ELB, Auto Scaling, CloudFront, AZ, CloudWatch, CloudTrail, Route53, RDS, Certificate Manager, AWS Well-Architected Tool, SNS, SES, DMS, Trusted Advisor, AWS Config, Guard Duty, WorkSpaces, etc.)

- Build and release Ec2 instances such as Amazon Linux, Ubuntu, Redhat and Widows and configured for specified applications.

- Used Configuration Management tool like Ansible in service operations to automate repetitive tasks, quickly deploys critical applications, and proactively manages change.

- Worked within huge development and production environment scrums to provide operational consultancy on infrastructure.

- Hands-on experience on AWS networking concepts including VPC, TCP, VPN, NAT, Bastion Host, Subnet, DNS, Gateways, Route tables, VPC peering and NACL's, etc.

- Prepared cost estimations and proposals for the various projects which are going to be hosted on AWS.

- Designed high level infrastructure architecture diagrams to better understand the architecture on AWS.

- Migrated live application and mobility servers within different AWS account and different regions.

- Configured AWS Identity and Access Management (IAM), Groups and Users for improved login authentication.

- Prepared cost-optimization strategies and successfully implemented into AWS account to minimize billing.

- Carried out manual security patching activities on Linux, ubuntu and windows server to fix the vulnerabilities.
- Procured AWS SSL certificates from AWS Certificate Manager and attached it to ELB. As well as installed third-party SSL certificate on Linux and Windows servers.
- Cloud Front (Origin Path: Server/ S3) setup for Low latency & fast-loading web content experience and to improve site performance.
- Configured, deployed, cloned & back up EMR clusters. Created & managed cluster users on the master node and granted specific permissions as per their roles in the data science team.
- Migrating third-party domains into AWS Route53 and managing DNS record entries like CNAME, A, TXT, SPF, NS, DKIM, DMARC, etc. into Route53.
- Automate AMI's and snapshots of critical Ec2 instances using Lambda & Lifecycle Manager.
- Configured S3 storage to provide highly durable and defined Lifecycle Policy for S3 Bucket or Object.
- Deployed & managed various AWS RDS such as MySQL, PostgreSQL, etc.
- Working with external and internal users on AWS issue troubleshooting. Provided 24x7 on-call support for critical issues.

Linux:
- Install, update and upgrade the packages using rpm and yum tools.
- Responsible for creating, modifying and deleting users, groups and assigning the permissions to users and groups.
- Setting up cron jobs for the user to deploy scripts on production servers.
- Installing, Configure the Apache Server.
- Apply security patches on Linux, ubuntu servers and prepared vulnerability assessment report.
- Monitoring system performance statistics like storage, CPU & memory utilization, etc.
- Performs basic Linux tasks such as taking backup on Linux server using Resync, Zip and Tar.

Work Experience:

 1. **CloudXChange.io** | Mumbai, Vashi.

Role: Cloud Operations Engineer. (Jan 2019 to till date)
Project: Worked on various projects but dedicatedly working for **Tata Motors Limited** (IT-Dept).

Roles and Responsibilities Handled:

- Experience in maintenance and configuration of user accounts for Dev, QA and Production servers and created roles for EC2, S3, CloudWatch, SNS, SES, System Manager, etc.
- Configured and managed Classic and Application Load Balancer for the various types of backed servers such as App server, Web server, API server, Portals & WebSocket's, etc.
- Working closely with multiple teams such as development, QA to carried out eventful production deployment activities.
- Work with business unit managers to understand project scope, suggest possible alternatives and document each step of the design.

- Launching EMR clusters with configuring master node and automate cluster using lambda function.
- Work with application and architecture teams to conduct proof of concept (POC) and implement the design in a production environment.
- Hosted static website in S3 bucket with hostname mapped at Route53 and attached AWS SSL certificate to make site secure.
- Troubleshoot AWS and on-premise infra connectivity issues by collaborating with the on-prem network & ODC team.
- Following the ITIL processes such as raising a change requests, RFC on remedy portals or Incident management system.
- Prepared RCA for issues that occurred in the production environment.
- Worked on AWS System Manager service to carried out various important tasks such as configuring Patch compliance window, session manager, run command etc.
- Migrate existing databases from on-premise to AWS using AWS Database Migration Service.
- Providing resource & application-wise AWS billing reports to the application owners.

2: **Inbitech Solutions** | Kolhapur. (July 2017 to Dec 2018)

Role: Cloud Engineer.
Project: Worked on multiple projects simultaneously.

Roles and Responsibilities Handled:

- Build server on AWS and launching EC2, RDS, creating security groups, load balancer (ELBs) in the defined virtual connection.
- Configured Cloud Watch dashboards and alerts to monitor AWS resources such as EC2, ELB, VPN, Lambda, RDS, SNS, etc.
- Lunching and setup AWS RDS instances such as MySQL, Postgres, MSSQL, etc.
- Responsible for S3 bucket creation and designed policies for granting specific permissions to users on that bucket using IAM.
- Good knowledge in cPanel, WHM, and Plesk.
- AWS image hardening by following the CIS benchmarking document.
- Configured memory metric for CloudWatch on Linux and Windows instances.
- Scanning AWS servers using vulnerability scanning tools such as Nessus & OpenVAS.
- Monitoring the servers using CloudWatch, 24*7 and TrendMicro monitoring tools.

TECHNICAL EXPERTISE:

- Web Languages: HTML5, JSON, Shell Scripting.
- Systems: Linux (Ubuntu, Red hat, Centos, Amazon Linux), Windows (2008, 2012 R2, 2016).
- Configuration Management Tool: Ansible.
- Webserver: Apache HTTPD, Apache Tomcat.

- Databases Known: MySQL, MariaDB.
- ITSM Tools – BMC Remedy, Freshdesk Ticketing Portal.
- Tools – AWS CLI, Site24x7, TrendMicro, WinSCP, FileZilla, PowerShell, Draw.io.

EDUCATIONAL QUALIFICATION:

- Bachelor's in computer science & engineering, Shivaji University, Kolhapur.   2017
- Diploma in Computer Engineering, MSBTE, Kolhapur.   2014

PERSONAL QUALITIES:

- Communicate clearly and professionally with team members and clients.
- Capable communicator of technological information to business leaders.
- Ability to work independently as well as in a team and experience in coordinating with different groups in a project.
- Ability to plan and organize things effectively.

RECOGNITION AND COMMUNITY INVOLVEMENTS:

- Awarded 2 times as 'Employee of the Month' for best performance.   2019
- Awarded by Best Singer and Best Music arranger in Bhartiyam Karandak Trophy.   2017
- Selected as Cultural-Head of the Department.   2016
- Awarded by Best Synthesizer Player at Central Youth Festival.   2016

PERSONAL DETAILS:

Date of Birth   : 19th Dec 1993.
Languages known   : English, Hindi and Marathi.
Address   : A2/11, Nikam Park, Deokar Panand, Kolhapur.
Hobbies   : Singing, Playing musical instruments.