Sumith Kumar

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Professional Summary:

- ✓ Having around **1.5 years of experience** as **AWS Cloud** and Support and Maintenance in environments like Red Hat Enterprise Linux, Centos, Ubuntu and focus on **DevOps** tools and **AWS Cloud Architecture**.
- ✓ Experience in interacting with clients to understand their needs and architecting solutions using AWS services – EC2, EBS, Lambda, CloudWatch etc.
- ✓ Built and managed infrastructure on AWS cloud to support enterprise applications and databases.
- ✓ Automated the periodic rehydration of ec2 instance & RDS using lambda and CloudWatch.
- ✓ Automated instance plan change using lambda.
- ✓ Automated data retrieval of snapshots and upload to S3 bucket using AWS lambda.
- ✓ Configured thresholds for alerts and monitored applications using CloudWatch alarms and SNS.
- ✓ Experience on **DevOps** essential tools like **Docker**, **GIT**, **Jenkins** to AWS and Managed Services like **EC2, S3, Route53, ELB, EBS**.
- ✓ Having Experience on **Terraform Modules.**
- ✓ Experience in Version Control DevOps tools like GIT, Github, Subversion.
- ✓ Experience in DevOps tools like **Ansible**, Docker, **Kubernetes**.
- ✓ Experience in DevOps monitoring tools like NetData, Nagios, cAdvisor, ELK Stack.
- ✓ Good Hands on experience in creating Jenkins jobs, plug-in installations, haproxy, setting updistributed builds using master/slave concepts.
- ✓ Automated deployment of builds to different environments using **Jenkins**.
- ✓ Experienced in using Build Automation scripting like **Maven** as build tools for building of deployable artifacts (JAR, WAR) from source code.
- ✓ Experience in using **Apache** web server and **Nginx** for deployment and reverse proxy
- ✓ Able to work effectively with in a team with minimal supervision
- ✓ Excellent communication skills and strong ability to interact with clients effectively.

Work Experience:

- ✓ Working as **AWS DevOps Engineer** in **IBM** from June-2020 to till date.

Technical/ Functional Summary:

Operating Systems	RHEL, CentOS, ubuntu, Windows
Server technologies	Apache, Tomcat, FTP, NFS, SSH, DHCP, HTTP, LAMP
Package Management	RPM, YUM
Scripts	Bash shell
AWS Services	S3 bucket, VPC, EC2 Services, RDS, VPN, SNS, AWS Inspector, CloudWatch, Storage services, RDS Creation.
Programming Languages	Python Boto3
Azure	VM, Vnet, Load Balancers, Application gateway, Public & Private DNS Zones, Traffic Manager, Vnet Peering, Security Groups, Azure Images, Virtual machine Scale Sets, Virtual Network Gateway, Azure Backup.
Serverless Services	AWS Lambda

Roles & Responsibilities:

- ✓ Automate periodic Rehydration of EC2 & RDS servers start & stop.

- ✓ Scheduled automatic backup of EBS volumes.

- ✓ Automation of database replication status to E-mail using SNS & AWS CLI.

- ✓ Automation of exporting snapshot data retrieval to s3 in excel format.

- ✓ Developed Lambda scripts to fetch AMI ID's, AWS Regions, and Instance Types.

- ✓ Automation to take AMI of a instance & delete them after certain days.

- ✓ Trouble shooting OS patching details configuration using SSM in maintenance windows.

- ✓ Monitor & configure cloud watch alarms and troubleshoot in case of issues.

- ✓ Management of servers.

- ✓ Creation of cost estimations and proposals for clients considering cost optimizations.

- ✓ Creation of individual pem key for users in AWS.

- ✓ SSM Patch Management using maintenance windows.

- ✓ Creation of IAM roles & policies to users and services.

- ✓ Create & Manage Azure infrastructure.

- ✓ Responsible for infrastructure setup on AWS for staging & Live websites.

- ✓ Designing and deploying **AWS** solutions using EC2, S3, Elastic Load Balancer (ELB), Autoscaling groups.

- ✓ Experienced in creating multiple **VPC**s, public, private subnets as per requirement and established connectivity to AWS Resources in another VPC in another region using **AWS VPC** Peering.

- ✓ Used Security groups, **N**etwork **ACL**'s, Internet gateways and Route tables to ensure a secure zone for organization. Used **Git** Hub repository to run **Jenkins** job for ContinuousIntegration.

- ✓ Write **Terraform** scripts from scratch for building Dev, Staging and Production environments.

- ✓ Developed Ansible Plays to configure, deploy and maintain software components of theexisting infrastructure.

- ✓ Responsible for creating Jenkins Pipeline for deployment using **Ansible.**

- ✓ Designed and documented CI/CD tools configuration management.

- ✓ Automated deployment of builds to different environments using **Jenkins**.

- ✓ Responsible for installation & configuration of Jenkins to support various Java builds andJenkins plugins to automate continuous builds and publishing Docker images to the Nexus repository.

- ✓ Experience in **Docker** like creating Dockerfile, Docker images, containers, tagging andpushing to Docker Hub.

- ✓ Implemented Microservices in load balanced, highly available, fault tolerant **Kubernetes** infrastructure.

Educational Qualification:

- B.E in Aeronautical Engineering from M V J COLLEGE OF ENGINEERING (2019)
- Chandrakanth Patil Pre-University College Kalaburagi (2014).
- Pragnya English Medium School Kalaburagi (2012).

Personal Details

Father's name   : Sunil Kumar

Date of birth   : 07/07/1996

Gender   : Male

Marital status   : Single

Nationality   : Indian

Languages Known   : Kannada, English, Hindi

Place   : Bangalore.

Declaration:

I hereby, declare that the above information is true to the best of my knowledge and belief.

- Sumith Kumar