* Over 5+ years of experience automating, configuring, and deploying Cloud applications, including IAAS, PAAS, and SAAS.
* Experienced in AWS Cloud platform and its features which includes EC2, S3, EBS, ELB, ECS, Elastic IPs, CloudFront, RDS, Route53, SNS, SES, VPC, Cognito, AMI, CloudFormation, CDK, EKS, Elastic Beanstalk, KMS, Cloud watch, API Gateway, Load balancers, Auto Scaling Groups(ASGs), WAF, Lambda function
* Have experience with designing and implementing solutions to automate infrastructure provisioning, platform providing, configuration management, software and application deployment with multiple technologies AWS, Terraform, Ansible, Shell, Powershell and to enable one click deployment of client products.
* Worked on automating code build, testing, and deployment in Kubernetes and Docker container environments using CI/CD.
* **SKILLS**
* **Cloud Platform**: Amazon Web Services (EC2, Route53, S3, IAM, RDS, CloudWatch, CloudTrail, CloudFsx, ECS, EKS, CDK, Elasticache, CloudFormation, CloudFront, API Gateway, WAF, Elastic Search, IAM, KMS, SNS, SES, SQS, Elastic Beanstalk, SSM, Kinesis, AutoScaling Groups (ASG), VPC, ELB etc).
* **Web/App Servers**: HTTP Server, Apache and Nginix.
* **Networking**: VPC, Subnets, Network Security, VPC Peering, Route53 Automation
* **Tools**: Ansible, Terraform, Jenkins, Azure DevOps
* **Containers**: Docker and Kubernetes.
* **Networking Protocol**: TCP/IP, NIS, NFS, DNS, DHCP, SMTP, FTP/SFTP, HTTP/HTTPS.
* **Version Control Tools**: GitHub, Bitbucket and GitLab

**Scripting Languages:** Python, Groovy, JSON, Shell, SQL, HTML, CSS3, and YAML.

* **Operating systems**: Linux/Unix, Windows, and MAC OS.

**Database:** DynamoDB, SQL Server, Amazon Aurora, MySQL.

* **Monitoring Tools**: Cloud Watch
* . **Ticketing Tools**: Service Now and Jira
* **Operating Systems**: Windows 2007/2008/2010, UNIX, LINUX (Red hat, Ubuntu, CentOS), Mac OS
* **Scripting**: BASH/SHELL, Powershell, JSON, YAML, Python
* **Databases**: MySQL, Aurora, PostgreSQL, SQL Server, RDS and DynamoDB

**WORK HISTORY:**

AWS Cloud Analyst

UST HealthProof - Aliso Viejo, CA

* Setup and build various AWS infrastructure resources, VPC, EC2, S3, ECS, IAM, EBS, SecurityGroup, Load balancers, auto-scaling and RDS in CloudFormation templates
* EC2 services like attaching volumes, configuring security groups, monitoring EC2 instance metrics like CPU Utilization, disk read/write operation and network High availability, scalability and security of applications.
* Design roles and groups using AWS identity and access management (IAM), and manage networks using Security Groups, Network Access Control Lists with services provided by IAM.
* Developed Infrastructure as a code(IAC) using Terraform for provisioning AWS Resources such as EC2, S3, VPC, IAM, EBS, Security Group, Auto Scaling, SES, SNS and RDS.
* Used AWS ECS task definitions, ECS service deployment, ECR, parameter store, and secret manager to deploy containerized application code.
* Used Jenkins for continuous integration and deployment (CI/CD) and end-to-end automation of all builds and deploys, as well as experience installing, configuring, and administering the Jenkins CI tool on Linux workstations.
* Deployed an application which is containerized using Docker into a Kubernetes cluster managed by Amazon Elastic Kubernetes Service (Amazon EKS), Configured ‘Kubectl' to interact with Kubernetes infrastructure and used AWS Cloud Formation Templates (CFT) to launch a cluster of worker nodes on Amazon EC2 instances.
* Provide highly durable and available data by using S3 data store, versioning, lifecycle policies, and create AMIs for mission critical production servers for backup.
* Experience in writing scripts for creation of new snapshots and deletion of old snapshots in S3 using S3 CLI.
* Create and deploy a Web Application Firewall (WAF) in front of Application Load Balancers to give apps an additional firewall and security layer to protect against malware and hackers.
* Creating Ansible playbooks to help with patches and configuration changes in the environment.
* Setting up databases in AWS using RDS, DynamoDB, storage using S3bucket and configuring instance backups and archives to Glacier archives, and configured AWSRedshift for data Warehousing.
* Working with route tables and security groups to ensure communication across applications and instances that require it.
* Extensively worked on Ansible to configure the servers, deploy software, and orchestrate continuous deployments.
* Developing and configuring Cognito userpool to integrate SSO authentication to restrict access of application URLs only to Organization in secured way and used Cognito authorization to secure Rest APIs.
* Involved in development of test environment on Docker containers and configuring the Docker containers using Kubernetes.
* Set up SES (Simple Email Service) in AWS to send emails from servers.
* Create lambda functions for auto tagging of AWS Resources and scheduled start and stop of EC2 and RDS instances.
* Designing and implementing application data pipeline architecture through AWS PAAS services including RDS, API Gateway, Lambda, Elastic Beanstalk, Kinesis, S3 and Elasticache to process and analyze real time data.
* Remediated infra vulnerabilities, application vulnerabilities, and applied OS and security patches to windows servers and Centos servers.
* Used Amazon Route53 to manage DNS zones and give public DNS names to elastic load balancers IP's.
* Experience with AWS data migration tools and technologies including Storage Gateway and Database Migration.
* Created snapshots to take backups of the volumes and also images to store launch configurations of the EC2 instances.

**Environment**: EC2, S3, Elastic Load Balancing, Elastic Bean Stalk, ECS, CloudFront, RDS, CloudFormation, CloudWatch, CI/CD, API Gateway, Jenkins, Lambda functions, WAF, SNS, SES, CDK, AMI, KMS, EKS, Route 53, Redshift, CloudTrail, Elasticache, Networking, Azure DevOps, Dynamo DB, Ansible, Terraform, Shell, Powershell, Python, Kubernetes, Docker, Linux, Shell, JSON, YAML, Bash scripts, and GIT.

**Cloud Platform Engineer**

**Merck - Somerville, NJ**

* Automated and implemented the CloudFormation Stacks (JSON Scripts) for creating the AWS resources like EC2, RDS, Auto-Scaling, Elastic-Load-Balancers (ELB), IAM, Route53, S3 and many others across different Availability Zones.
* Good Experience in architecting and configuring secure cloud VPC and VPC peering using private and public networks through subnets, route tables, internet gateways and NAT gateways in AWS.
* Implemented Terraform modules for deployment of applications across multiple cloud providers.
* Implemented Ansible to manage all existing servers and automate the build/configuration of new servers.
* Managed storage in AWS using Elastic Block Storage, S3, created Volumes and configured Snapshots.
* Configured S3 buckets with various life cycle policies to archive infrequently accessed data to storage classes based on requirement.
* Created and managed deployments to ECS Cluster, AWS Lambda and provisioned additional resources like AWS SQS Queues for data messaging.
* Create and manage KMS(Key Management Service) keys to encrypt data across AWS resources, to control access of encrypted data by defining KMS permissions to share encrypted resources between accounts and services. Launch EC2 instances and use security groups and NACL to provide a firewall for them.
* Managed IAM accounts (with MFA) and IAM policies to meet security audit & compliance requirements .
* Creating and configuring Cognito userpool to integrate SSO authentication to restrict access of application URLs only to Organization in secured way.

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**Environment**: AW, Gitlab, AWS CDK, SQL, ELB, EC2, CloudFormation,VPC, RDS, Auto-Scaling, Elastic Load-Balancers (ELB), Jenkins, IAM, Route53, S3, KMS, Cognito, Ansible, JSON, YAML, Shell, Powershell, Terraform, Kubernetes, Docker.

**Linux Systems Administrator**

**Altisource - Bengaluru, KA, India**

* Creating IAM roles, Users, Groups and attaching Policies to provide access to resources based on access level.
* Creating and launching EC2 instances using AMIs of Linux and Windows and writing shell scripts to bootstrap instance.
* Created and configured Elastic Load Balancers and Auto Scaling groups to distribute traffic and to have cost efficient, fault tolerant and highly available environment.
* Created domain name service (DNS) records using Route53 to route traffic for the AWS resources.
* Used security groups, network ACLs, internet gateways and route tables to ensure secure zone for organization in AWS public cloud.
* Built S3 buckets and managed policies for S3 buckets and enabled versioning, configuring lifecycle policies to archive infrequently accessed data to storage classes based on requirement.
* Implementing Virtual private cloud (VPC) networks, subnets and Route Tables, VPC peering, NAT gateways, Internet gateways using Terraform and Cloud formation templates.
* Implementing, maintaining, monitoring and alerting of production and corporate servers/storage using AWS Cloud Watch.
* Implement automatic snapshots creation of EC2 volumes and instances to take backup, Hardening Linux and Windows AMIs, managing storage of servers.
* Practical experience in implementing Infrastructure as a code (Terraform, Ansible, and Cloudformation) to automate the provisioning AWS services EC2, S3, IAM, VPC and load balancers.
* Automating infrastructure provisioning and configuration management using Terraform, Ansible.
* Provide application support for fixing application and URL issues and AWS cloud support for EC2, s3 buckets, IAM and RDS SQL server issues.
* Environment: Git, Apache, Jenkins, Linux/Unix, AWS, EC2, S3, VPC, Route53, Cloud Formation, CloudWatch, Terraform, Ansible, Networking, Shell, AWS CDK.

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