UDAYKIRANKUMAR ARJI  

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**Objective**

Seeking a Challenging career that offers the opportunity to explore a leading organization in the corporate world by utilizing my expertise in domain and cloud technology, together with strong will, ethical and moral values will lead me to be a successful in the future, Whereby I can contribute to the success of the organization as well.

**Professional Summary**

* Overall 5.6 years of IT industry experience as **AWS DevOps Engineer.**
* Hands on experience in **EC2**, **VPC**, **S3**, **IAM**, **SNS**, **EBS**, **ELB**, **Auto Scaling**, **RDS**, **Route53**, **Cloud Formation**, **Cloud Trial**, **API Gateway, AWS Lambda**, **Elastic Beanstalk & Cloud Watch**.
* Having Hands on experience in software containerization platforms like **Docker** and Container Orchestration tools like **Kubernetes** and **OpenShift.**
* Having hands on experience in **EKS** and **Terraform.**
* Well known of **GIT & GITHUB**(Distributed version control tool) Creating Repos, Branching, Merging, git Stashing, git ignoring, resolve conflicts, resetting & reverting
* Well aware of **ANSIBLE**(Configuration Management Tool), setting up SSH connection between server and nodes, Working on Ansible Ad-Hoc commands, Modules, Roles, writing Playbooks in YAML
* Hands on experience in Installing and Configuring **JENKINS**(Continues Integration tool) for Continuous Integration and performed automated Builds and Deployments and installing so many plugins.
* Strong attitude towards enhancing and having excellent problem solving with time management skills.
* Ability to work under pressure and as part of a team and learning new tools and technologies.

**Technical Proficiency**

Operating Systems : Windows, Linux

Cloud : AWS,GCP

Version Control Tool : Git & GitHub,Bitbucket

Configuration Management Tool : Chef , Ansible

Virtualization & Containerization : Docker , Kubernetes , Openshift, EKS

Continuous Integration Tool : Jenkins

Build Management Tool : Maven

Monitoring Tool : Cloud Watch , Datadog, Splunk, Grafana, Prometheus

**Employment History**

**Current Organization**: **Dec 2021 – Till Date** **Deloitte Consulting India Private Limited** Hyderabad, Telangana Role: AWS DevOps Analyst

**Previous Organizations**:

**Infosys Limited May 2020 – Nov 2021**

Hyderabad, Telangana

Role: Associate System Administrator

**Prolifics Corporation Limited Dec 2017 – March 2020**

Hyderabad, Telangana

Role: Associate System Administrator

**Roles and Responsibilities:**

**Amazon Web Services:**

* Build **EC2** Instances in Amazon Cloud and create **AMI’s** Attach **EBS Volumes** to Instances & resize volumes if required.
* Launch instances in different regions by using **snapshots** & Configure **Elastic Load Balancer's** and **Auto Scaling.**
* Create **AMI’s**, Volumes and Troubleshoot on AWS Instance failures.
* Verify **VPC** (Subnets, Gateways, Route tables, NACL’s and configure Security Groups).
* Providing high durable & available data by using S3 life cycle management and CRR for data availability
* Migrate backup from **S3** to glaciers for cost optimization using s3 life cycle.
* Working on **IAM** (Identity Access Management) like Roles, Policies, MFA, User permissions and Groups
* Working on **Route53**, Register a Domain Name, Setup Our EC2 Instances with required **routing policy**.
* Monitor servers through **Amazon Cloud Watch** and **SNS**
* Manage Linux Servers on Amazon (**EC2, EBS, ELB, Security Groups and IAM**)
* Writing **CloudFormation** Templates by using YAML to create Infrastructure as per requirement.

**Redhat OpenShift /Kubernetes :**

* + OpenShift Container platform (OCP) cluster **Implementation**, **Management** and **upgradation** of cluster with new release
  + Experience working with version control systems like **BITBUCKET, GIT** and configuration management tool like Ansible
  + Experienced in **OCP** clusterhosted on **AWS**
  + Experienced in creating various dashboards, metrics, alarms and notifications for servers using **Prometheus, Grafana, Datadog**
  + Creating **Ansible playbook**, for deployment of the micro services in OpenShift clusters.
  + Work closely with Architects, Infra teams, RedHat for Implementations and troubleshooting.
  + Experience in Containerization tool like Dockerand **building Docker images** using **Docker files**.
  + Experience on Maintaining the configuration changes on Environment
  + Troubleshooting Jenkins issues in **CI/CD builds**
  + Working experience on **Production** and **Non-Prod** environments
  + Hands-on experience on creating projects, OpenShift objects like deployments, Services, Routes, Secrets and Service accounts
  + Analyzing compute resources utilization of different projects hosted on **RHOCPclusters**
  + Handling **SWAT** calls during critical issues and troubleshooting to find root cause
  + Provided standby support to client during migrations and app deployments on production clusters
  + Good working knowledge on **PV, PVC** and storage classes in RHOCP
  + Installing and managing different operators on OCP cluster through **ArgoCD** Git-Ops tools and manual process.
  + Increasing the **Resource Quotas** for the applications hosted on OCP based upon the requirement
  + Upgrading the **Instance type** and modifying the **AMI id** for all the nodes in the OCP Clusters
  + Configuring the **dedicated nodes** for the applications in OCP Clusters.
  + Configuring and monitoring alerts on **Datadog** related to CPU and Memory utilization at node and pod level in all OCP Clusters.
  + Performing daily **Health Checks** on all Operational Clusters. Troubleshoot and fix if we identify any issue at clusters level.
  + Providing access to the **Quay** organizations and Repositories.
  + Resolving the issue on **Crash loop backoff** and **Image pull backoff** errors for the application pods.
  + Resolving the issue when the **Cluster operators** are in Degraded state.
  + Renewing the **SSL** Certificates through Venafi for the API and Console url’s when they are about to expire.
  + Scheduling the cronjob and taking the **ETCD** backups for the all the Clusters.
  + Scheduling the backups through **OADP** and restoring for the applications in OCP Clusters.
  + Experience in **Openshift Cluster builds** in AWS environment.
  + Experience in creating the **namespaces** through **Ansible tower**.
  + Experience in **decommission** of OCP Clusters in AWS environment.
  + Experience in **decommission** of Application namespaces in OCP environment.

**EKS :**

* Experience in **EKS Clusters builds** through terraform modules.
* Experience in creating the **namespaces** in EKS Clusters through **terraform** modules.
* Experience in creating the **network load balancers** at application level through **terraform** and providing the required information.
* Importing the **certificates** provided by the application teams at cluster level.
* Increasing the standard **resource quota** and **custom resource quota** as per the application requirement through terraform.
* Creating **IAM roles** and providing access to application **S3 Buckets** as per the requirement through **terraform modules**.
* Uploading the application data to **S3 buckets** by using **AWS CLI and Consoles**.
* Upgrading the **EKS Clusters** through Terraform.

**Qualifications**

* Bachelors of Technology(Electronics and Communication Engineering) from Vignan’s Institute of Information Technology, Visakhapatnam
* Diploma In (Electronics and Communication Engineering) from Govt. Polytechnic Visakhapatnam
* Board of secondary Education from, Visakhapatnam

**Personal Attributes**

* Able to **communicate** clearly and effectively with diverse people
* Able to shift strategies and accept other viewpoints
* Ability to **work under pressure** by handling multiple issues simultaneously
* Ability to persuade, convince or impress in order to gain support by **working in a team** as a team member

**Certifications**

* **AWS Certified Solution Architect – Associate**(Q3BGQ6T2YME41WCP)
* **Google Cloud Certified – Associate Cloud Engineer**(L2A6Q7)

**Declaration:**

I do here by declare that the above written particulars are true to the best of my knowledge and belief.

Date:

Place: UDAYKIRANKUMAR ARJI