RESUME

Name : Bainaboyina Adinarayana

Mobile : 9133054143

Email : adinarayanainfo12@gmail.com

Professional Summary:

* Having around 5 years of experience in DevOps, GCP, AWS,and Site Reliability Engineering.
* Experience in various tools like Git, GitHub, Bitbucket, Maven, Jenkins, Docker, Kubernetes, Helm, Terraform, SonarQube, Artifactory, and Nexus.
* Worked on GCP resources like - Google Compute Engine, App Engine (GAE), Google Kubernetes Engine, Google Cloud Function, VPC, Cloud CDN, Cloud Load Balancing, Cloud Interconnect, Cloud DNS, NAT, VPN, Private service connect, Cloud SQL, Cloud Storage, Cloud Monitoring, cloud logging, OS Patch Management, Identity and Access Management, Deployment Manager, Billing, Instance Groups, Instance Templates, Snapshots, Health Checks, KMS
* I worked on AWS services like AWS IAM, VPC, EC2, EKS, ECR, RDS, S3, Lambda, ELB, Auto Scaling, Route 53, Cloud Front, WAF, Certificate Manager, AWS Inspector, Cloud Watch, Cloud Trail,SNS.
* Experience in creating and managing computer, networking, and storage services on Azure and AWS using Terraform.
* I am experienced in creating various dashboards, metrics, alarms, and notifications for servers using **AWS Cloud Watch**, **Grafana, and** **Prometheus**.
* Implemented a **CI/CD pipeline** involving **GITHUB**, **Jenkins**, **Maven**, **Docker, Kubernetes, and Helm** for complete automation from commit to deployment.
* Managed GitHub repositories and permissions, including branching and tagging.
* Strong experience in system administration, installation, upgrading patches, configuration, troubleshooting, security, backup, disaster recovery, and performance monitoring on Red Hat Linux servers.
* I worked on the automation of deployment of all the microservices to pull images from the private Docker registry’s and deploy them to the Kubernetes cluster using HELM.
* Responsible for setting up and maintaining the Kubernetes clusters where ArgoCD will be deployed.
* Uses Python for infrastructure automation, configuration management, and deployment scripts.
* Create develop and test environments of different applications by provisioning Kubernetes clusters on AWS using Docker and Terraform.
* Experience in writing Kubernetes manifest files for Deployment, service, configmaps, secrets and ingress.
* Familiar with writing Docker Files, building Docker Images, and running the Docker Containers.
* Experience in end-to-end building and deploying the application in Dev environment to Production.
* Expertise in Deploying, Maintaining, Managing, and Troubleshooting of Production Systems.
* Setup and maintained Development, QA, Pre-production, and Production environments.

TECHNICAL SKILLS:

* Cloud Platforms:  AWS, GCP
* Operating Systems:  Red Hat Enterprise Linux, CentOS, Windows Server.
* Virtualization Tools:  Docker, Kubernetes, VMware.
* IAC Tools: Terraform, Cloud formation, ARM.
* Version Control Tools:  GIT, GITHUB, Bitbucket
* Web/Application Servers:  Apache Tomcat, JBOSS, IIS
* Automation Tools:  Jenkins
* Build Tools:  Maven, Helm
* Scripting:  Shell, YAML
* Ticketing tools: ServiceNow, PagerDuty, Jira Service Desk
* Monitoring Services: Cloud Watch, Datadog, Stack Driver
* Configration Management Tools: Ansible, Chef.

PROFESSIONAL EXPERIENCE:

Working as a **Google Cloud Engineer/SRE** at Brillio from Aug 2019 to Till Date.

EDUCATIONAL QUALIFICATION:

* B-Tech in VIGNAN’S LARA INSTITUTE OF TECHNOLOGY & SCIENCE, VADLAMUDI Affiliated to JNTUK

PROJECT 2:

Company: Brillio

Client: Silicon Valley Bank

**Role: Google Cloud Engineer/SRE**

**Responsibilities:**

* Design, implement, and maintain GCP resources, including, but not limited to, virtual machines, virtual networks, storage, and GCP data services.
* Experience in designing, configuring, and implementing Google Cloud solutions
* Proficient in deploying and managing applications on Google Cloud Platform (GCP).
* Knowledge of various cloud services, such as Compute Engine, App Engine, Kubernetes Engine, and Cloud Functions.
* Extensive experience in networking, virtual private clouds (VPC), load balancing, and security in GCP.
* Ability to architect highly available and scalable infrastructure solutions using GCP services.
* Experience in infrastructure as code using tools like Terraform or Deployment Manager to automate deployments.
* Expertise in monitoring, logging, and troubleshooting tools in GCP, such as Stack driver.
* Monitor and optimize GCP infrastructure for performance, cost efficiency, and security.
* Support deployment efforts for the delivery of project-based assignments including proof-of concept, analysis, design/architecture, deployment, and support.
* Ensure that GCP resources and services are compliant with industry standards and company policies.
* Implement and maintain security best practices for GCP, including identity and access management, firewall rules, and encryption.
* Create the file system with xfs from the EBS volumes and mount with Directories.
* Deployment of the Business processes by creating JAR, WAR and EAR files to Tomcat application server.
* Implement Chef for automated application deployments and release management.
* Automate the deployment of application updates and releases using Chef cookbooks.
* Collaborate with development teams to streamline the release process.
* Use Chef to automate the deployment and configuration of servers and applications.
* Collaborate with Chef developers to define infrastructure requirements and configurations.
* Responsible for setting up and maintaining the Kubernetes clusters where ArgoCD will be deployed.
* Collaborates with application development teams to integrate their applications with ArgoCD.
* Writes and maintains YAML manifests for applications and ensures they follow best practices.
* Monitors and troubleshoots deployment pipelines and ArgoCD operations.
* Sets up automated pipelines for testing, building, and deploying applications using ArgoCD.

PROJECT 1:

Company: Brillio

Client: Silicon Valley Bank

**Role: Site Reliability Engineer**

**Responsibilities:**

* AWS Glue Spark based ETL to perform Data Integration data integration service that makes it easy for analytics users to discover, prepare, move, and integrate data from multiple sources.
* AWS Glue A fully managed data catalog and ETL (Extract, Transform, Load) service to automate the extract, transform, and load of data across different data stores.
* AWS Data Pipeline is a web service that allows you to schedule and automate the movement and processing of data between different AWS services and on-premises resources. Data Pipeline supports various data sources like RDS, DynamoDB, Redshift, etc.
* AWS Glue Data Catalog: This is a metadata repository that stores table definitions and other metadata for the Glue ETL service and other AWS services like EMR, Athena, and Redshift Spectrum.
* Amazon Athena is an interactive query service that allows you to analyze data in Amazon S3 using standard SQL. Athena can be used to create ad hoc queries and generate reports without the need for traditional ETL processes.
* AWS Glue Studio is a graphical interface that makes it easy to create, run, and monitor data integration jobs in AWS Glue.
* Monitor each data load right from Ingestion till Consumption layer and make sure each load is completed without hiccups alerts of SQS and SNS emails.
* Monitor & troubleshoot operational and data issues in various pipelines.
* Design of Weekly & Monthly cost reports for all the AWS accounts env wise and AWS services wise and deducing what factors contribute to the cost for a particular week with detailed documentation and providing turn around for cost deduction using Cloud health.
* Creating SNOW/Jira Incidents for pipeline/glue job failures and tracking all the progress & resolution.
* Azure offers several tools and services to help build data pipelines and manage data flows.
* Some of the key tools include:
* Azure Databricks: A collaborative, Apache Spark-based analytics platform that allows users to process big data and build advanced analytics solutions.
* Azure Data Factory: A cloud-based managed service that allows users to create, schedule, and orchestrate data integration workflows across various sources and destinations.
* Azure SQL Database: A fully managed relational database service that provides high-availability, scalability, and security features for storing and managing data.