**PALLAV SAHU**

**Summary:**

* Overall 4+ years of professional experience as DevOps Engineer having hands-on experience in implementing, supporting, automating CI/CD pipeline, optimizing deployments in AWS / on premise, leveraging configuration management & DevOps processes using tools like Git, Jenkins, Docker, Kubernetes, Terraform.
* Hands on experience in AWS provisioning and good knowledge of AWS services like S3, ELB, RDS, EFS, EBS, IAM, AMI, Subnets, Auto scaling, security groups, load balancing, Route 53, CloudWatch, EC2, WAF, GA.
* Deploying, managing & operating scalable, highly available, and fault tolerant systems on AWS.
* Building custom scripts for CI/CD automation using Git & Jenkins.
* Hands on experience in Build and Release Management process.
* Have worked extensively with architecting and automating application deployments (CI/CD pipelines), leveraging configuration management & other DevOps related activities.
* Worked on open-source load balancer to manage the high availability of the EKS cluster.
* Troubleshooting the AWS Infrastructure, Kubernetes & terraform issues and fixing them.
* Managing the AWS Infrastructure using terraform modules & resources.
* Cloud Infrastructure monitoring, Kubernetes nodes & pods monitoring using Prometheus & Grafana, monitoring the microservices application performance.
* Managing the release rollout to the different application environment.
* Design the overall Virtual Private Cloud VPC environment including server instance, storage instances, subnets, availability zones, etc.
* Documenting, Develop & implement processes to automate and standardize routine tasks.

**Technical Skills:**

* SCM : Git
* Ticket tracking & Wiki tool : Jira, Confluence
* Operating Systems : Linux, Windows
* Scripting languages : Bash Scripting, Python
* Application Server : Apache Tomcat
* Monitoring : Prometheus, Grafana, Cloud Watch
* Cloud platforms : AWS
* Containerization Tools :Kubernetes, Docker
* Automation Tools :  Jenkins, Terraform, Ansible
* Database :  AWS RDS, Aurora, MySQL
* Build Tools & IDEs : Maven, IntelliJ

**Certification:**

* Planning to complete AWS Associate Solutions Architect certificate.

**Project Experience:**

**Project# 1:**

**Paywallet**

**Role: DevOps Engineer**

**Duration: 15 months**

Description:

Payroll-linked payment and identity solution provider enables consumers to securely connect their payroll accounts for loan repayments.

Responsibilities:

* It is microservice-based architecture, where micro frontend and backend has been deployed on AWS Elastic Kubernetes Services (EKS) under different namespaces.
* As a DevOps Engineer, we were responsible for the deployment of all frontend & backend services using helm charts and management of these services over EKS.
* Responsible for setting up the AWS infrastructure and managing the EKS cluster using terraform modules and resources.
* Responsible for automating the API test suite and ensuring the high availability of the Kubernetes cluster.
* Setup and configure EKS cluster, Create Kubernetes objects using YAML templates and application release rollout using helm.
* Troubleshooting Kubernetes nodes, pods & infrastructure issue and preparing the RCA document for same.
* Integrated Rancher for developers to easily access pod logs.
* Loose coupling of sensitive data as per different environments by storing them in AWS parameter store.
* Integrating SonarQube for continuous inspection of code quality.
* Migration of GoDaddy domain & DNS to Route 53.

**Project# 2:**

**Experian**

**Role: Consultant**

**Duration: 6 months**

Description:

Supporting for all the tasks related to Client Production & UAT environment and ensure end-to-end connectivity across all application components.

Responsibilities:

* Responding in a timely manner to service issues and requests
* Monitoring infrastructure with Dynatrace tool.
* Monitoring services & application related issue.
* Maintaining server performance related issue, Disk utilization, CPU utilization, memory utilization, clearing logs as requested by team.
* Generate MIS as requested by banks.
* Checking logs on application server for root cause analysis & provide it to application team to narrow down the troubleshooting.
* Pushing windows patches, updates & installing through Windows Server Update Services (WSUS) as per the guidance of security team.

**Project# 3:**

**Advith ITEC**

**Role: DevOps Engineer**

**Duration: 8 months**

Description:

Architecting and configuring of Advith application using AWS Elastic Kubernetes Services (EKS) under different namespace.

Responsibilities:

* Design and develop continuous integration and continuous deployments with tools like GIT and Jenkins.
* As a DevOps Engineer, we were responsible for the deployment of these microservices using helm charts and management of these services over EKS.
* Setup the monitoring of the infrastructure and microservices using Prometheus & Grafana.
* Providing throughout support and engineering design across different workloads, created architecture for on-prem & AWS prod environment.
* Led the architecture transition from a single monolithic app into micro-services using Docker containers and orchestrated the cluster using Kubernetes.
* Configure and maintain automated CI/CD pipelines using Jenkins, Gitlab, Maven, Docker, Kubernetes.
* Create custom Docker images using Dockerfile to support containerization of application.
* Developing docker images to support Development & Testing team and create Jenkins pipeline.
* Troubleshooting Kubernetes nodes, pods & infrastructure issue and preparing the RCA document for same.

**Project# 4:**

**BACB**

**Role: DevOps Engineer**

**Duration: 15 months**

Responsibilities:

* Install and configure the Jenkins, Sonarqube.
* Implemented the CI-CD for Microservices.
* Configured and storing the docker images in the docker private registry.
* Design, develop and maintain Build and Release management processes and tools.
* Creating application-software builds for development, test, and production environments.
* Responsible for Daily Backup, Scheduling of backup job, Nightly backup setup.
* Provisionong the pods, pv, pvc, service, namespaces, ingress.
* Using Helm for deployment of Microservices.

**Qualifications:**

**B.E** from R.G.P.V, BHOPAL (M.P)