Sandeep Dash

Cv Apply For : **Cloud DevOps Developer**
AWS/Docker/K8s. Helm Chart & Hands-on **HELM**

Phone : 7008626663

Address : Smartworks Corporate Park | Sector 125, Noida, Uttar Pradesh **201303**

Email : sandeepdash043@gmail.com

OBJECTIVE

To work and excel with a professionally managed progressive and leading organization, which Provides an utmost opportunities to new ideas for overall growth, experience and offers a better career prospect in the area of Cloud-Infrastructure.

Experience Summary

- Having 5+ months of experience in **Tech - Infra** team with a job role of **Jr. DevOps Engineer** at **Rezo.ai**. In my current organization I'm responsible for DevOps-Infrastructure. I am monitoring Staging, Dev as well as Production servers by using Nagios under never down condition & Managing Host & Service Escalation matrix according to default parameters, Releasing monthly & weekly reports, Configuring NRPE agent in newly created nodes by using .pem file. Except for all those i am managing messages as well as error logs by creating multiple streams of hosts and giving access for checking logs of production servers & Creating dashboards in Graylog.
- Development experience in Containerization and Orchestration technologies like **Docker** & **Kubernetes**. Serverless & Microservices architecture with exposure to using **Helm charts**.

EMPLOYMENT DETAILS

- **Duration** - 11/10/2021 - till Present
- **Organization-** Corrz Technosolutions Private Ltd. **(Rezo.AI)**
- Designation - **Junior DevOps Engineer**

TECHNICAL SKILLS

AWS-Services. | DevOps-Toolsets :

- ➢ Script Programming - **Unix** Shell/Python/Ruby/Bash/Batch/YAML
- ➢ OS- Administration - Linux (**Ubuntu**)
- ➢ **SCM tool** - GIT
- ➢ Build tools - **Maven**/ANT
- ➢ Automation/CI-tool: - Jenkins
- ➢ Monitoring tool - **Nagios**,**Graylog**/CloudWatch
- ➢ Databases - Mysql, Dynamodb
- ➢ **CAAS/IAAS/PAAS/SAAS** - **Cloud computing- AWS**/Azure
- ➢ WebServer/Middleware - Tomcat
- ➢ **Infrastructure as Code** - **Ansible**/Chef
- ➢ **Containerization tool** - **Docker**
- ➢ **Orchestration tool** - **Kubernetes,** Hands-on with Packaging Utility- **HELM**

Professional Summary

- Proficient in **AWS** services like ec2, S3 bucket, RDS, EBS, ELB, Auto-scaling group, AMI, VPC, subnets, NAT Gateways, security groups, NACLs, lambda, Cloudfront, dynamodb, Route53 and IAM through **AWS console**.
- Knowledge of creating multiple VPCs & public, private subnets as per requirement and distributing them as groups into various availability zones of the VPC. Except that, acquainted with AWS VPCs peering connection.
- Created NAT gateways instances to allow communication from the private instances to the internet.
- Used firewalls such as security groups, Network ACLs, internet gateways and route tables to ensure a secure zone for organization in AWS public cloud.
- Created and configured elastic load balancers and auto scaling groups to distribute the traffic and to have a cost efficient, fault tolerant and highly available environment.
- Created S3 buckets in the AWS environment to store files, sometimes which are required to serve static content for a web application.
- With the help of IAM created roles, users and groups and attached policies to provide minimum access to the resources.
- Worked on the databases by using Amazon RDS and carried out functionalities for creating instances as per requirements also implemented Amazon RDS multi-AZ for automatic failover and high availability at the database tier.
- Created and managed several cron jobs like backing up log files and configuration files.
- Understanding of Network protocols (TCP/IP, NAT, IPV4, IPV4-subnetting & IPV6) and adept at configuring Software firewalls.
- Hands-on experience in administering Linux (Ubuntu) based OS including strong CLI skill set.
- Good working knowledge on GIT, Maven & CI-CD.
- Involved in the function usage and deployment of applications in Apache Tomcat web servers for deployment and hosting tools.
- Understanding of scripting languages such as Python, Batch, Shell-scripting, YAML etc.
- Web-monitoring tools- **Nagios** (NRPE, Hosts as well as services configuration inside nagios server) and managing error log and message log, managing dashboard in **Graylog**.

- Developing & managing the **Infrastructure as a Code** using **Ansible**. Establish ssh connection between ansible server and nodes. Well knowledge on YAML file creation in the playbook, acquainted with modules and Ad-hoc commands. Ansible Roles, Conditions , Ansible Vault, Handlers, Variables and Loops concept. Also acquainted with the chef config. management tool. (Flexible with both push and pull configuration for installing/deleting packages and managing nodes)

- Well-versed knowledge in containerization tool **"Docker"**. Dockerfile creation, docker port mapping, exec container, docker expose & docker volume for better customer experience with webapps/microservices running inside containers.

- Having good knowledge in the orchestration tool **"Kubernetes"**. Master-Slave workflow for managing pod lifecycle within a cluster. Acquainted with higher level kubernetes objects like- Replica set, Replication Controller, Deployment, Service, Persistent Volume, kubernetes networking, config map, Horizontal Pod Autoscaling, secrets, Namespace, Job/Parallelism/Cron-utility, Init-container & Resource-Quota by using declarative method in **K8's- manifest**.

- Hands-on with **HELM** utility for controlling & managing K8s-manifest's in the easiest way & having good knowledge in **HELM Chart**, **ArtifactHUB,** Hands-on with Helm most important commands and its Usage for troubleshooting minor issues in control plane to run cluster smoothly.

Personal Attributes

- Willing to learn and adapt to new technologies.
- Multitasking & Ability to work effectively .
- Good analytical and problem solving skills, ownership, continuous learning, consistency and discipline.

Educational Details
Highest Qualification:

Passed-out B-tech in Electrical Engineering from Biju Patnaik University and Technology, Bhubaneswar, Odisha with 7.03 cgpa in 2019.

Project- 1
CI/CD- Realtime:

- Main purpose for doing this project is creating a webapp by using jenkins and deploying it in client sites.
- Successfully deployed **jenkins.war** file & created a sample webapp inside Apache tomcat server by using CI-concepts of Devops tools- GIT, Maven, Tomcats, Jenkins plugins in a pipeline format.
- Also we can share this sample.war file as per our requirements. Because this file is ready to deploy.

Project- 2

- For testing purposes I created a **HelloWorld.war** file with configuring in Dockerfile and deployed it inside a docker container by using tomcat middleware.

Declaration:

- I consider myself familiar with Information Technology Development Aspects. I am also confident of my ability to work in a team.
- I do hereby declare that the above furnished details are true to the best of my knowledge & belief.

Personal Information:

Name: Sandeep Dash
Father's Name: Jayakrushna Dash
DOB: 08/11/1997
Marital Status: Single
Permanent Address: BDA colony, near new bus-stand, khordha, Odisha 752056 .

Date:

Place:

Sandeep dash