Sneha Kale

DevOps Engineer | 2.4 years

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INTRODUCTION

2.4 Years of experience as "**DevOps Engineer**" successfully implementing and managing CI/CD pipelines and cloud infrastructure. Proficient in Linux and in AWS cloud environments. Adept in version control with Git and proficient in automation with Jenkins. Extensive knowledge of containerization using Docker and orchestration with Kubernetes.

EXPERIENCE

APPEZWORK SOFTWARE SERVICE Pvt. Ltd.   *June 2021- Present*
DevOps Engineer

Roles & Responsibility:

- Hands on experience in installing and administrating **CI/CD** tools like **Jenkins**. Extensivelyworked with automation tools like **Jenkins** to implement the End-to-End Automation.
- Created **Jenkins** workflow to automate the environment readiness process across different environments.
- Designed and implemented a continuous build-test-deployment **(CI/CD)** system with multiple component pipelines using Jenkins to support weekly releases and out-of-cycle releases based onbusiness needs.
- Worked on creation of custom **Docker** container images, tagging and pushing the image.
- Experience with container-based deployments using Docker, working with Docker images, **Docker-Hub and Docker-registries**.
- Create and maintain fully automated **CI/CD** pipelines for application deployment using **Jenkins**.
- **CI/CD** pipeline using groovy syntax pushing the **Docker** image.
- **Docker** Networking configuration with **Jenkins** pipeline.
- Implemented **CI/CD** pipelines using Jenkins and GitHub for automated deployments on Kubernetes, reducing deployment time by 50%.
- Implemented new features and optimized existing code for the platform using **Kubernetes and Docker**. Increased system performance by 30% through debugging and optimizing container orchestration.
- Managed **Kubernetes** clusters to orchestrate containerized applications, ensuring highavailability and scalability. Elaborated with the team to design and develop a scalable data pipeline using **Kubernetes**.
- Built **Kubernetes** Cluster on Aws from Scratch with **Minikube**.
- Setup and Managed **Docker** Containers for Django and React Application into **Kubernetes** Pods.
- Managed **Deployment**, Replication, Auto-scaling and Auto healing for **Kubernetes Cluster**.
- Managed **Kubernetes** clusters to orchestrate containerized applications, ensuring high availabilityand scalability.
- Automated micro service deployment, scaling and management using Service of **Kubernetes**.
- Used of Source Code Management (Version Control System) tools like **Git**.
- Implemented and managed **Google Cloud Platform (GCP)** services to optimize infrastructure scalability, resulting in a 30% reduction in operational costs.
- Designed and deployed a highly available, fault-tolerant architecture on **GCP** using services like Compute Engine, **Kubernetes** Engine, and Cloud Load Balancing.
- Created and maintained **Maven** build scripts for multi-module projects, ensuring consistent and efficient builds across the development team.
- Implemented custom **Maven** plugins to automate code quality checks, code coverage analysis, and static code analysis, leading to a 30% improvement in code quality.
- Managing & Create Template **Amazon Web Services (AWS)** infrastructure with automation Using **Terraform**.
- Deployed 3-Tier web applications using Terraform **while ensuring the application/database tier is highly available and fault tolerant**.
- Creating multiple **VPC's** and public, private subnets as per requirement and distributedthe groups into various availability zones of the **VPC**.
- Cron and at job scheduling and Restore server backup of Daily, Weekly & Monthly on **S3.**
- Actively manage, improve and monitor cloud infrastructure on **AWS** including backups and scaling.
- Created **NAT** gateways and instances to allow communication from the private instances to the internet.

- Created and configured **elastic load balancers and auto scaling groups** to distribute the trafficand to have a cost efficient, fault tolerance and highly available environment.
- Configured **S3** buckets with various life cycle policies to archive the infrequently accessed data tostorage classes based on requirement.
- Deploy, manage, and maintain applications and systems deployed to **AWS.**
- Used **IAM** for creating roles, users, groups and also implemented MFA to provide additional securityto AWS account and its resources.
- Implemented **domain name service (DNS)** through route 53 to have highly available andscalable applications.
- Maintained the monitoring and alerting of production and corporate servers using **Cloud Watch** service.
- Created **EBS** volumes for storing application files for use with EC2 instances whenever they aremounted to them.
- Experienced in creating **RDS** instances to server data through servers for responding to requests.
- Applying Auto Scaling between **ELB and EC2** instances for high availability of applications.
- System monitoring tool is **Jira** software.
- Creating and launching **EC2** instances using AMI's of Linux, Ubuntu,RHEL, and Windows and wrote shell scripts to bootstrap instance.

- **SKILLS SUMMARY**
- Programming/Scripting Languages: Bash Scripting, Python
- Database: MARIADB
- SQL Server   MS-SQL
- Source Control Tool: Bit bucket, GitHub.
- Cloud Platforms: AWS, GCP
- Bug Base: Jira
- Tools/Servers: VS code, GIT, Jenkins, Docker, Kubernetes and Terraform.
- Operating Systems: RHEL 7, Ubuntu, Centos.

EDUCATION

G.H.RAISONI INSTITUTE OF INFORMATION TECHNOLOGY, Nagpur

MCA (Computer) – 77% May 2014 - August 2016

S.M.MOHOTA COLLEGE OF SCIENCE, NAGPUR

BSC(Computer) – 61.33% July 2011- June 2014

CERTIFICATION

- **ORACLE CLOUD INFRASTRCUTURE in 2023 certified Foundation Associate No . 100338310OCIF2023CA.**
- **VB & ORACLE in Certificate.**

LANGUAGES

English, Hindi and Marathi.

Declaration

I hereby declare that above information given by me is correct to best of my knowledge.

Date:

Place: **Sneha Kale**