AWS DevOps Engineer

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Career Objective:

Adept **AWS DevOps Engineer** with **2.5 years** of experience in designing, implementing, and managing DevOps solutions using AWS services. Seeking a challenging role in a fast-paced environment to leverage skills and make a significant impact.

Professional Experience:

- As a **DevOps Engineer**, I provide support and maintenance in environments, including **Red Hat** Enterprise **Linux, Windows**, and **Ubuntu**, focusing on **DevOps** tools and **AWS** Cloud Architecture.
- Utilized Amazon **RDS** to create **snapshots** and automate the **backup** of databases.
- Demonstrated proficiency in **DevOps** essential tools such **as Docker, Kubernetes, GIT, Jenkins**, and **Maven**, transitioning to **AWS** Managed Services including **EC2, S3, ELB, & EBS.**
- Exhibited hands-on experience in creating **Jenkins jobs**, plug-in installations, and setting up distributed builds using **master/slave** concepts.
- Automated the deployment of builds to different environments using **Jenkins,** resulting in a **20% reduction** in deployment time.
- Worked on the provisioning of AWS instances using **Terraform** and **User data.**
- Possessed experience in using **Tomcat** and **Apache web** servers for deployments.
- Proficient in **Docker**, including creating **Docker images, containers, Docker files**, tagging, and publishing to **Docker Hub**.
- Wrote **Docker files** to create customized Docker images and **manifest files** for **microservice** applications.
- Demonstrated experience in working on **AWS** and its services like **IAM, VPC, EC2, EBS, S3, ELB, Auto Scaling, CloudWatch, SNS,** creating custom-sized **VPC, subnets, NAT**, and Security groups.
- Established connectivity to AWS Resources in another **VPC** in another region using AWS **VPC Peering**.
- Configured **S3 buckets** with various life cycle policies to archive infrequently accessed data to storage classes based on requirements.
- Created alarms in **CloudWatch** service for **monitoring** server performance, **CPU** Utilization, and **disk** usage.
- Possessed good knowledge of **Kubernetes**. And demonstrated proven experience with large-scale production **Kubernetes deployments**, including custom complex microservices applications.
- Automated **build, test**, and deployment processes using **Jenkins**.
- Created and managed Linux **virtual machines** (EC2 instances) in AWS. And configured networking and **security groups** for instances.
- Worked on ways to **automate** and improve the **development** and **release** process.
- Involved in the creation of a complete DevOps **CI-CD pipeline** by integrating Git, Maven, Sonarqube, Jenkins, Docker, Terraform, Kubernetes, and AWS Cloud to automate the deployment process.

Technical Skills:

- **Cloud Environment:** AWS
- **Automation Tools:** Terraform, Jenkins
- **Version Control Tools:** Git
- **Containerization Tool:** Docker, Kubernetes, ECS, EKS
- **Static Code Analysis Tool:** SonarQube
- **Application Server:** Apache Tomcat
- **Operating Systems:** Linux, Ubuntu, & Windows
- **Scripting:** Shell, YAML
- **Cloud Platform:** Amazon Web Services (EC2, S3, CloudWatch, SNS, VPC, ELB, Auto-Scaling, IAM Roles, EKS, ECS).

Projects:

Project #1
Organization   **: Collabridge Pvt Ltd.**
Designation   **: AWS & DevOps Engineer**
Duration   **: Jan 2022 to Till date**
Environment   **: Git, Maven, AWS, Jenkins, Docker,Kubernetes,Tomact.**

Responsibilities:
- Used GitHub repository to trigger **Jenkins jobs** for Continuous Integration.
- Installed and configured **Jenkins**, including plugins and security settings, and created **master and slaves** for multiple parallel builds.
- Designed and documented **configuration** management for **CI/CD** pipelines.
- Responsible for the installation and configuration of Jenkins to support various **Java builds** and **Jenkins plugins** for automating **continuous builds** and publishing Docker images.
- Exhibited proficiency in Docker, including creating Docker **images**, **containers**, **Dockerfiles**, and pushing to **Docker Hub**.
- Created and managed multiple containers using **Kubernetes** and deployed using **YAML** files.
- Performed tasks that included **git cloning**, pulling repositories, branching, and **merging**.
- Configured **EC2** instances and their prerequisites for **deploying** applications.
- Configured new build environments for various applications in Linux environments.
- Worked on **production** servers on **Amazon Cloud** (EC2, VPC, S3).
- Scaled configurations of EC2 instances up and down based on **CPU, RAM**, and hard disk requirements. For used **CloudWatch** to monitor Amazon EC2.
- Used **Terraform** to manage AWS cloud **infrastructure** in the areas of EC2, IAM, Load Balancer, Auto Scaling, and VPCs.

PROJECT # 2

Organization	:	**Levelup cloud solution (opc) Pvt Ltd**
Designation	:	**AWS DevOps Engineer, Intern**
Duration	:	**Jun 2021 to Dec 2021**

Responsibilities:

- Collaborated with the DevOps team to design and implement **CI/CD** pipelines for applications hosted on AWS.
- Collaborated with development teams to promote code changes through various environments using **Git** and automated pipelines.
- Created branches and tags in **GIT repositories** and provided branch access permission to the development team for tagging and maintaining code on version control.
- Developed build and deployment plans in **Jenkins** as per project requirements.
- Built and deployed **Java** applications in different environments.
- Installed and configured **Jenkins**, installed plug-ins and configured security.
- Utilized continuous integration technologies with Jenkins.
- Designed and created multiple deployment strategies using **continuous integration** and **continuous development.**
- Implemented and maintained **monitoring** and alerting solutions using **Prometheus and Grafana.**
- Created a **Jenkins master and slave** for the implementation of multiple **parallel builds**.
- Created **VPCs, subnets,** Configured **EC2 instances**, and added instances to respective **subnets.**

Experience:

Organization	:	**Mahindra (Fortune Commercial Vechicles)**
Designation	:	**Sales And Marketing Executive**
Duration	:	**Nov 2019-Aug 2020**

Responsibilities:

- Generated leads through cold-calling, networking, and advertising.
- Surpassed personal and corporate sales goals.
- Negotiated all contracts with prospective clients.
- Helped determine pricing schedules for quotes, promotions, and negotiations.
- Prepared weekly and monthly reports.
- Delivered sales presentations to a range of prospective clients.
- Coordinated sales efforts with marketing programs.
- Understood and promoted company programs.
- Obtained deposits and balances of payment from clients.
- Prepared and submitted sales contracts for orders.
- Visited clients and potential clients to evaluate needs or promote products and services.
- Maintained client records. And answered client questions about credit terms, products, prices, and availability.

Educations:

- B-Tech in MNG from Anubose Institute of technology with a 70% aggregate in 2019.

Personal Details:

Name	:	B. Mahesh
Date of Birth	:	09-07-1997
Marital Status	:	Un-Married
Nationality	:	Indian
Languages Known	:	English, Telugu & Hindi.
Hobbies	:	Reading books, Listening music.

Declaration:

- I hereby declare that the information and facts stated herein are true and correct to the best of my knowledge.

B. Mahesh.