Devanandha K

**DevOps Engineer**

**devopsdevak@gmail.com**

**+91 6301495919**

# Carrier Objective

* Having around **2 years** of experience in software IT industry. Working as **DevOps Engineer** in application configuration, code compilation packaging, building, automating, managing, and releasing code from one environment to another environment and deploying to servers, and fixing issues on failures.

# Professional Summary:

* Experience in Amazon web services, including EC2, EKS, CloudWatch, Route 53, S3, VPC, IAM etc.
* Experience as a Build and Release Engineer with DevOps Methodologies as the primary focus on CI (Continuous Integration), CD (Continuous Delivery), and secondary docker, Kubernetes.
* Good experience with software containerization platforms like Docker and Container Orchestration tools like Kubernetes.
* Experience in Integrating DevOps tools like GIT, Maven, SonarQube, Nexus, Docker, and other DevOps tools with Jenkins
* Extensively worked on Jenkins for Continuous Integration, Continuous Delivery & Continuous Deployment through building Pipeline jobs.
* Provisioned virtual environments using Docker and Kubernetes.
* Sound knowledge of Kubernetes Architecture.
* Good understanding of Docker files to build Docker images and then run the containers.
* Experience in Build automation using tools like MAVEN for building deployable artefacts such as

JAR, WAR & EAR from source code.

* Exposed to all aspects of software development life cycle (SDLC) such as Analysis, Planning, Developing, Testing, and Implementing Post-production analysis of the projects.
* Installed monitoring tools like Prometheus, Grafana one agent, Data Dog in EKS Cluster & Linux machines.
* Excellent knowledge of Agile Methodology
* Closely working with Dev and QA teams based on the requirement.

**Technical Competencies:**

**Operating Systems Application/Web Servers Containerization Automation/Monitoring tools Source/Version Control Tools Cloud Services**

**Build Tools**

**IAC**

: **Red Hat Enterprise Linux, Ubuntu**

: **Apache Tomcat, HTTP**

**: Docker & Kubernetes**

**: Jenkins, CI/CD**

**: GIT, GitHub**

**: AWS**

**: Maven, SonarQube, Nexus**

**: Terraform**

**EDUCATION QUALIFICATION:**

* Completed **Master of Computer Applications (MCA)** from **JNTUA** year of **2020.**

**PROFESSIONAL EXPERIENCE:**

* Working As a **Associate** in **Amazon** from July -2022 to March 2023
* Working As a **Intern Analyst** in **Deloitte** from Jan -2021 to Jan 2022.

**PROJECT:**

**Project : SMP (Subscriber Management Platform)**

**Role : Build and Release Engineer/SRE**

**SCM Tools : Git, Github**

**BUILD, CI&CD Tools : Maven, Jenkins, CI/CD**

**monitoring tools : Grafana**

**Containerization tool : Docker, K8s**

**Description:**

SMP (Subscriber Management Platform) is to promote client’s promotional SMS to their

end users. Whenever clients are loading their end user’s mobile numbers with promotional SMS,

SMP will pick those mobile numbers and SMS, then delivers those promotional SMS to

Corresponding mobile numbers by interacting with intermediate nodes.

**Responsibilities:**

* Strong experience creating Kubernetes Manifest Files like Daemon Set, Replication Controller, Replica Set, and Deployments, Ingress and Ingress Controller.
* Strong experience creates a CI/CD pipeline that automatically builds a container image from committed code, stores the image in a container registry, updates a Kubernetes manifest in a Git repository, and deploys the application to Kubernetes.
* Used AWS services like EC2, S3, and ELB for building infrastructure. Implemented CI/CD using Jenkins, Docker & Kubernetes.
* Strong Experience in writing Jenkins pipelines for each environment.
* Expertise in Jenkins master slave for the multi machine builds and experience in Configuring Nodes.
* Having Experience on Monitoring EKS infrastructure using Datadog and CloudWatch.
* Experience in GitHub Action through automated workflows for SonarQube and Code Ql and Gradle and Maven Build Tools.
* Expertise in using Docker Engine, Docker Hub, and building Docker Images at the root of the repository.
* Implemented AWS solutions using EC2, S3, EBS, Elastic Load Balancer, and Auto scaling groups, Optimized volumes, and EC2 instances.
* Deploying the Ears, Wars, and Jars appropriately and setting up the Apache Tomcat.
* Managed weekly calls with clients on behalf of the team to resolve issues & update the status of projects
* Maintain track of different releases that are being carried over in different environments.
* Creating Jar/War/Ear files using Maven.
* Implementing Jenkins continuous integration tool, including installing, setting the jobs/plans, and setting up the tool for deployment.
* Involved in installing Jenkins on a Linux Machine. And creating a Master-Slave configuration.
* Good experience in writing Docker Files and Building Images.
* Responsible for creating Kubernetes Manifest Files like Replication Controller, Daemon sets, Replica Sets, and deployments.
* Implementing Jenkins continuous integration tool, including installing, setting the jobs/plans, and setting up the tool for deployment
* Work closely with Development and QA teams on building and Deployment issues
* Coordinating, tracking, and updating all projects for finding defects and task releases using Project Management System JIRA.

**Environment**: **AWS Cloud, Kubernetes, Jenkins, Docker, CI/CD, JIRA, Monitoring tools, Maven, Git,Github, Linux.**

**DECLARATION:**

I hereby declare that the details furnished above are true and correct to the best of my knowledge and belief.

Devanandha K