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 setting up Elastic Kubernetes Service (EKS), and Elastic Container Registry (ECR)

in AWS Cloud.

* 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**

**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:**

* Managed and monitored the applications using Prometheus and Grafana.
* Created feature branches for parallel development and took care of merge activities through pull requests.
* Implemented CI/CD with Jenkins pipeline Integration using Docker, EKS, and ECR.
* Created YAML files for K8 objects – Deployment, Service, Ingress, Configmaps, Secrets, Horizontal-Pod auto scaler, Sidecar containers, Jobs, and Stateful sets.
* Enabling Node autoscaling feature in AWS.
* Debugging pod and Cluster failures.
* Created Docker files for building Docker images.
* Integrated **Jenkins** & **Kubernetes cluster**
* Worked with Development Teams and testing teams to establish a build schedule
* 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, JAVA 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.
* Automate and monitor build with Jenkins. Troubleshoot application-related issues.
* Used Jenkins to automate the whole pipeline, with email notifications enabled for each success and failure of build or process.
* Making Applications, Reports, and scripts ready for Release on time.
* Verify deployment logs to check for successful deployments.
* Documentation of the patch process and build/release Process.
* Experience in bug tracking and analyzing test results and prepared Release Notes.
* Deploying the JAVA Wars and Jars appropriately and setting up the Apache Tomcat instances
* 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