Devanandha K

**DevOps Engineer**

**devopsdevak@gmail.com**

**+91 6309260484**

# Carrier Objective

* Having around **4years** 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, Code commit, CloudWatch, Route 53, S3, VPC, IAM, ECR, RDS, SNS,SES, EBS.**
* Eexperience 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.
* Monthly sending of the AWS billing report.

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

**Build Tools**

: **Red Hat Enterprise Linux, Ubuntu**

: **Apache Tomcat, HTTP**

**: Docker & Kubernetes**

**: Jenkins, CI/CD**

**: GIT, GitHub**

**: AWS**

**: Maven, SonarQube, Nexus**

**EDUCATION QUALIFICATION:**

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

**PROFESSIONAL EXPERIENCE:**

* Working as **DevOps Engineer** in **Deloitte** from Nov 2020 to till date.

**PROJECT:**

**Project : Sony Media Cloud Services**

**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:**

Sony media cloud platform is a media-centric cloud environment with innovative applications that empower media companies with remote teams to leverage the scalability and availability of the cloud to streamline production, editorial and delivery workflows. Adopted by Hollywood studios, indie filmmakers, television shows, sports and news companies, browser-based Workspace application connects people, content, and devices from any location in the world to streamline the creative process.

**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.
* Troubleshooting application-related issues by log verification.
* 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