**DevOps Engineer**

**Devanandha K**

**Contact No: +91 6309260484**

**Email ID:** [**nandhasofts@gmail.com**](mailto:nandhasofts@gmail.com)

# Experience Summary:

* Having total 3.4 years of experience in **AWS** and **DevOps.**
* Has 3 years’ experience into **DevOps** & **Build** and **Release** automation and release process with various environments.

# Professional Summary:

* Having **3+** years of experience of **Build/Release** and **DevOps methodologies** and setting up and **maintaining CI & CD pipelines** and delivering releases for multiple applications running on Linux and Windows based distributed Infrastructure.
* Experienced in working on **DevOps operations process and tools**.
* Extensively worked with Version Control Systems like **GIT.**
* Work experience on **GIT HUB** Administration and maintaining theSource Code in various environments.
* Migrating the source code from Subversion to GIT including commits, branches and tags.
* Expertise in using build tool like **Maven** for the building of deployable artifacts from source code.
* Experience in integrating **SonarQube** with **POM.xml** and Build.xml for Code Quality Analysis and generating the code quality reports.
* Automated build and deployment process with **Jenkins** and Maven, eliminating of manual work and configure various plugins for Jenkins.
* Administration and creation of Individual Jenkins jobs, including automatic generation, reporting and alerting of build failures and build status indicators.
* Experience in using **Nexus** for storing the **build artifacts** like **jar, war** and **ear.**
* Experience in using **Tomcat application** servers for deployments.
* Good experience on Containerized platforms like **Docker.**
* Familiar with writing **Docker Files**, building **Docker Images**, and running the **Docker Containers**.
* Managing the creation, deployment and monitoring of Docker Containers using Orchestration framework like **Docker Swarm.**
* Good knowledge on creating the **Kubernetes cluster** and writing the **manifest files** and Service files.
* Built **Ansible playbooks** to automate application deployment for increased speed and configure management.
* Experience in different services of **AWS** like **EC2, ELB, EBS, S3, Auto Scaling, VPC, Cloudwatch.**
* Experience in end-to-end building and deploying the application in Dev environment to Production.
* Expertise in Deploying, Maintaining, Managing and Troubleshooting of multiple applications running on Linux and Windows based distributed Infrastructure.

# Work Profile:

* **Working as DevOps Engineer Tech Mahindra Bangalore since Jun 2020 to till date.**

# Educational Qualification:

* **MCA (Master of computer Application) from JNTUA in 2020.**

# Technical Summary:

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| --- | --- |
| Operating Systems | Linux, Windows |
| Version Control & SCM Tools | GIT, GitHub |
| Scripting Languages | Shell Scripting |
| Application/Web Servers | Apache (HTTPD), Apache Tomcat |
| Build Tools | Maven |
| Artifactory Repository | Nexus, S3 |
| Code Quality | SonarQube |
| Continuous Integration | Jenkins |
| Containerization | Docker |
| Container Orchestration | Docker Swarm, ECS, EKS |
| Configuration Management Tool | Ansible , |
| Cloud | AWS |

**Projects:**

**Project 2:**

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| --- | --- |
| Project Name | AGL |
| Client | Cigna |
| Role | Cloud DevOps Engineer |
| Environment | Git, Maven, Docker, SonarQube, Jenkins,ECS, ECR, AWS , Cloud Formation. |

**Responsibilities:**

* Administration of GitHub like creating the branches, merging the source code from one branch to another branch and providing the specific permission to the team members.
* Merge, build and deployment of the codes to all the environments.
* Jenkins is used as a Continuous Integration tool for automate the build, test and deployment of process.
* Administration and creation of Individual Jenkins Jobs workflows including automatic generation, reporting and alerting of build failure.
* Used Docker Containers for running different individual services and optimizing the infrastructure cost.
* Writing Docker Files and building Docker Images, Maintaining those images intoDTR.
* Involved in the release process and Deployed applications in ECR, ECS Cluster.
* Used AWS services like EC2, S3, EBS, ELB, ALB, Lambda, ECS, ECR, Cloud Formation, Cloud watch and VPC for building infrastructure.
* Used ServiceNow as incident management platform to identify critical incidents.
* Hands on Pushing, Pulling Docker images to AWS ECR and Deploying to AWS ECS.
* Monitor and troubleshoot various AWS resources by using CloudWatch Logs/Alarms.
* Hands on configuring the CloudWatch Alarms to Compass monitoring via Lambda function.
* Responsible for scheduling the Events during Mid Night and Weekends for reducing the cost of AWS resources like stopping/starting the EC2 servers, AMI backups, EBS Volumes backups, S3 buckets cleaning up, etc.

**Project 1:**

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| --- | --- |
| Project Name | Anthem INC. |
| Client | Humana |
| Role | Build & Release, DevOpsEngineer |
| Environment | Linux, Git Hub, Maven, Nexus, Jenkins, SonarQube, Tomcat, Ansible |

## Responsibilities:

* Administration of GitHub includes creating branches, tagging, merging and access permissions.
* Creating the Build artifacts using Maven.
* Configuring the Nexus repository with POM.xml for storing the build artifacts in different types of repositories like snapshot and releases.
* Integrating the SonarQube with POM.xml for code quality analysis.
* Installation of Jenkins on Linux Environment and configuring the DevOps tools with Jenkins for Deployment automation.
* Creation and Administration for Jenkins Jobs like monitoring the Jobs as well as providing the Jenkins access to the team members.
* Work with Development, Testing and project management teams to merge and set feature release schedule.
* Deploying the Build artifacts in Development, Testing and Production servers.

**(Devanandha K)**