# Jayalakshmi EmailID: jayalakshmidevops@gmail.com

**DevOps Engineer Phone Number: +8792456608**

**Objective**

Seeking a Challenging Position in a cloud environment within a large exiting company where my extensive professional and practical experience will be fully utilized for infrastructure/DevOps Professional.

**Professional Summary**

* Over 4 years of Experience as a **DevOps Engineer** with technical expertise in Build and Release Management, Continuous integration and Deployment, Software configuration management.
* Having working experience with version control tool like **GIT, GitHub.**
* Hands on working experience in **Azure** **DevOps**. Create Build and Release pipeline by using templates.
* Created pipe lines in **Azure** pipelines and written the yaml files to create the pipelines.
* Experience on**, GIT**- Created branches, tagging, Merging providing access permissions to the developers over branches.
* Good Experience in **GitHub** and Configure git with Jenkins and schedule jobs using **POLLSCM** option.
* Expertise in using Build tools like **Maven** for Building and Deployable artifacts such as War&Ear from source code.
* Creating new Build jobs, Plugins installation and Management, Setting up **Master/Slaves** using **Jenkins**.
* Designed end-to-end automation of infrastructure and **Continuous delivery of the applications** by integrating Jenkins.
* Professional Experience in **Continuous integration** using the **Pipeline** View, Integrated Sonar to run as part of Jenkins Build job, Monitoring **Nightly-Builds** and **Daily-Builds** and Deploy with different Environment like **QA, UAT, DEV, PROD**.
* Integrating with Junit test cases, **SonarQube** and Fortify to test the Source Code.
* Working experience in implementation project, started to work on from scratch and to write a **Jenkins pipeline** from scratch.
* Worked on web services like **Tomcat** to deploy code.
* Proposed and implemented Branching Strategies/Release Versioning Standards based on **AGILE** Methodology.
* Good Experience in **Dockerizing** the Applications, In **Dockerfile**, Creating **Docker images** and configuring the **Docker Containers** for different environments.
* Experience on creating and configuring **DockerVolumes, Networks.**
* Expertise on creating **Kubernetes** manifest files like **Daemon Set** and **Replication controller**, **Replication Set** and Deployments.
* Expertise in kubernetes clustering, configuration, architecture and services.
* Expertise in **Kubernetes** cluster setup and Deploying Applications in Kubernetes clusters.
* Implement CI/CD using Jenkins, **Docker&Kubernetes**.
* Hands on experience in writing **Ansible** playbooks and **Ansible** roles for Configure management, Sharability and Reusability in Ansible.
* Hands on Experience in AWS Cloud such as creating **EC2, S3, ELB, EBS, EFS, IAM, Auto Scaling and Security Groups.**

**IT Knowledge Purview**

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| **Version Control System tools** | GIT, GitHub |
| **Operating Systems** | Linux(Redhat, Ubuntu) |
| **Configuration Management** | Ansible |
| **SSH Client Tool** | Putty |
| **Scripting** | Shell Scripting |
| **Build Tools** | Maven |
| **Container Orchestration Tools** | Kubernetes, Docker |
| **Cloud Services** | AWS(EC2, S3, EBS, EFS, ELB, IAM) |
| **Application Server** | Apache Tomcat |
| **Continuous Integration Tools** | Jenkins |
| **Containerization tool** | Docker |
| **Bug Tracking Tool** | JIRA |
| **ArtifactoryStorage** | Sonartype Nexus |
| **Code Quality Analysis Tool** | Sonarqube |
| **Cloud** | Aws/Azure. |

**Academic Credential**

* Master of Science from SK university(2018).

**Professional Experience**

* Working as a DevOps Engineer at IBM in Bangalore From September 2018 to Till now.

**Projects**

# Project#2

* Project Name :Enel X e-Mobility
* Platform : EvOs
* Role :DevOps Engineer
* Technology : Git, Maven, Jenkins, Docker, Kuberenetes, Ansible, AWS,

**Scope:**

* Create Build and Release pipeline by using templates in Azure/DevOps.
* Creating GitHub repositories and specified branching strategies that best fitted the needs for the clients.
* Created pipe lines in Azure pipelines and written the yaml files to create the pipelines.
* Created Deployment groups and release pipe lines for deployments.
* Created environments on virtual machines and kubernetes.
* Configured GitHub with Jenkins and Schedule jobs using POLL SCM, GitHub Webhooks and Build Periodically option.
* Resposible for continuous integration using the pipeline view.
* Define dependencies and plug-ins in maven pom.xml for various activities and integrated maven with GitHub to mange and Deploy project related tags.
* Analysis of source code using sonarqube.
* Uploading Build Artifacts in Nexus repository.
* Uploading Artifacts and Docker images to Nexus Remote Repository.
* Designed and managed CI/CD work flows using tools such as Jenkins, Ansible.
* Work cross-functionally across infrastructure, Development and QA teams to Build processes around change control and release management to help deliver products to market in a rapid, repeatable, and consistent manner.
* Used AWS Services like S3, EC2, NFS, VPC, ELB, IAM and Auto-scaling.
* Writing manifest files like replication controller, replica set, daemon set and deployment.
* Scale up the pod’s and scale down the pod’s using HPA.
* Creating name spaces inKubernetes Cluster.
* Creating Kubernetes cluster and adding worker Node to master Node.
* Building and understanding of all aspects of the cloud platform including network ingress, monitoring, alerting, RBAC, and Multi-Region deployment.
* Installing Grafana on Kubernetes to monitor the Kubernetes cluster nodes.
* Configuring multiple servers using Ansible.

# Project#1

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| **Project Name :** NextGen Office EHR/PM  **Client :** NextGen Health Care  **Role :** Build and Release Engineer  **Tools :** Git, Maven, Jenkins, Tomcat, Sonar Qube, Shell Script. |

**Scope:-**

* Creating branches and tags using GIT.
* Responsible for tagging and maintain code on version control GIT.
* Monitored daily builds, GIT check-ins and administrated access management
* Supported product release management and patch set release
* Responsible for creating Builds and Deployments Planes.
* Creating War files using Maven.
* Automate the build Process Using Jenkins jobs.
* Creating jobs using Jenkins. Manage installations of node, deployment configuration, administration, backup….etc.
* Making Application, Reports and Script ready for the Release on time.
* Verify Deployments logs to check for successful deployments.
* Debugging Build & Release related issues.
* Making build and deployment automation enhancements, fixing bugs.

Date:

Place

Banglore Jayalakshmi.

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