**Resume**

**DevOps Engineer**

**Nandha K**

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**OBJECTIVE:**

Having around **3+ Years** of Strong Experience as a **AWS and DevOps** in a position **DevOps Engineer** within an Organization that can utilize my abilities to their fullest which allows me an opportunity to continue to grow.

**PROFESSIONAL SUMMARY:**

* Experience in **Amazon web services**, including **IAM** ,**EC2, S3 Bucket, VPC, Load Balence, Auto scaling, EKS, Cloud Watch, ECR, RDS.**
* Hands on knowledge on Linux Operating System **( Redhat, CentOS, Ubuntu)**
* Worked extensively with version controlling system **GitHub**.
* Created **GIT Branches** for new releases and **Merging** process.
* Experience on various **GIT** Operations Such as **Cloning, Fetching, and Pulling, Pushing, and merging code.**
* Experience in Build Tool **MAVEN** for building Deployable Artefacts such as **JAR, WAR, and EAR** from source code.
* Working Experience in creating and managing **Jenkins jobs** for **Building, testing and deploying** Applications across different environments.
* Experience in integrating Devops Tools like **GIT, Maven, SonarQube, Nexus, Tomcat** with **Jenkins.**
* Extensively worked on Jenkins for **Continuous Integration and Deployment (CI/CD)** through **Jenkins Jobs**.
* Experience in Maintaining and troubleshooting **Jenkins Master and Slaves.**
* Experience on **Docker** containerization such as Creating **Docker Files** and **Docker Images**.
* Good Knowledge on **Configuration Management** Tool **Ansible** like Creating **Ansible playbooks** and **Ansible roles** for configuring applications like **Tomcat**.
* Good Experience on **Amazon web services (AWS)** creating **EC2 Instances** and configuring all necessary services.
* Experience in managing **IAM users &groups** creating **s3 buckets**, **Bucket Policies**, lifecycle policies and object level permissions.
* Experience in **EC2, Load balancer, Auto Scaling, Cloud watch**.
* Creating **S3 buckets** in the **AWS** environment to store files, which are required to serve static content for a web application.
* Experience on Configure **VPC, Subnet, NAT gateway, Route Tables, IGW, ACL and Security Groups**
* Closely working with **Dev and QA** teams based on the requirement.
* Showcased knowledge and understanding of **software testing** methodology and best practices while maintaining and enforcing quality standards
* Knowledge in setting up **Elastic Kubernetes Service (EKS)**, and **Elastic Container Registry (ECR)**

in **AWS Cloud**.

* Good Knowledge on IAC Tool like **Terraform**

# SUMMARY OF QUALIFICATION AND EXPERIENCE

* 3+ Years of Experience in DevOps Engineer.
* Good work ethics with excellent communication and interpersonal skills.

# SKILLS & EXPERTISE

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| **Cloud Environment** | Amazon Web Services |
| **Infrastructure as a code** | Terraform |
| **Version Control Tool** | GitHub |
| **Build Tool** | Maven |
| **Continuous Integration Tool** | Jenkins |
| **Code Quality Tool** | SonarQube |
| **Artifactory Tool** | Nexus |
| **Web / App Server** | Apache Tomcat |
| **Operating Systems** | Windows, Red Hat Linux |
| **Containerization Tool** | Docker |
| **Container-orchestration Tool** | Kubernetes |
| **Configuration Management Tools** | Ansible |

# EDUCATION & QUALIFICATION

# Completed Master of Computer Applications (MCA) from JNTU, Anantapur in the year of 2020

**WORK EXPERIENCE:**

* Working As a **DevOps Engineer** in **Tesco** from Dec -2020 to Till date.

# PROFESSIONAL EXPERIENCE

**Project :02**

**Devops Engineer** Feb -2022 to Till date

**Tesco**, Bangalore) ,

Working as a Build and Release Engineer.

Project : Healthcare Insurance.

Skills: Linux, AWS, Git, Maven, Nexus,Tomcat, Jenkins, Maven, Docker and Kubernetes

**Description:**

Health insurance in the United States is any program that helps pay for medical expenses, whether through privately purchased [insurance](https://en.wikipedia.org/wiki/Insurance), [social insurance](https://en.wikipedia.org/wiki/Social_insurance), or a [social](https://en.wikipedia.org/wiki/Social_welfare_provision) welfare program funded by the government. In a more technical sense, the term "health insurance" is used to describe any form of insurance providing protection against the costs of medical services.

**Responsibilities:**

* Experience in creating/deleting repositories and branches, adding/deleting of users, organizations, teams, groups and protecting the code and branches in GitHub.
* Working knowledge on merging code lines in the Github and resolved all the conflicts raised during merging.
* Extensive experience in using MAVEN as build tools for building of deployable artifacts (jar, war & ear) from source code.
* Extensively worked on JENKINS by installing, configuring and maintaining for the purpose of continuous integration (CI) and for End-to-End automation for all build and deployments.
* Worked extensively on monitoring and setting up new build jobs, plug-ins installations, distributed builds using master/slave and administration activities.
* Implemented CICD Pipeline process for build and deployment for all Lower Environments.
* Experience in Installing, Configuring & maintaining Apache Tomcat Servers.
* Experienced in build automation, Project Management tool as Maven.
* Hands on experience in Continuous Integration Tools such as Jenkins.
* Experience in building Continuous Integration (CI) & Continuous Deployment/Delivery (CD)pipeline as an iterative process using Jenkins.
* Experience to manage IAM users by creating new users, giving them a limited access as per needs, assign roles and policies to specific user.
* Actively worked on Docker and deploying and maintaining Micro services in Dev & QA environment.
* Working with Dev Team to write Dockerfile, configuring Jenkins job to use docker build,tag etc
* Implemented multibranch pipeline.
* Experienced to create and configure S3 bucket with required policy.
* Experience in EC2, Load Balance, Auto scaling, Cloud watch.
* Experienced on Configure VPC Subnet, NAT gateway, Route Tables, ACL and Security groups
* Created users and groups using IAM and assigned individual policies to each group.

**Project :01**

**Software Engineer** Jan-2021 to Jan-2022

Tesco, Bangalore)

Project : Homesite

Skills: AWS, Git, Jenkins, maven, Nexus, Docker, Linux, CI/CD,

**Responsibilities:**

* Experience in creating/deleting repositories and branches, adding/deleting of users, organizations, teams, groups and protecting the code and branches in GitHub.
* Launching Amazon EC2 Cloud Instances using Amazon Web Services (Linux) and Configuring launched instances with respect to specific applications.
* Setup/Managing Linux Servers on Amazon (EC2, EBS, ELB, Security Groups, RDSand IAM).
* Branching, Tagging, Release Activities on Version Control Tools GitHub.
* Installing and configuring Jenkins on a Linux machine and created a Master and Slave configuration to implement multiple parallel builds through a build form. Configured plugins in Jenkins to interact with the other tools and scripts.
* Manage Build and Release requests using Jenkins and managing plugins.
* Created Docker files and build images push to the Docker private Repository.
* Configured and maintained Nexus Remote repository for deploying the artifacts and war files.
* Extensive experience in using MAVEN as build tools for building of deployable artifacts (jar, war & ear) from source code.
* Worked extensively on monitoring and setting up new build jobs, plug-ins installations, distributed builds using master/slave and administration activities.
* Experience to manage IAM users by creating new users, giving them a limited access as per needs, assign roles and policies to specific user.
* Actively worked on Docker and deploying and maintaining Micro services in Dev & QA environment.
* Working with Dev Team to write Docker file, configuring Jenkins job to use docker build,tag etc
* Implemented multibranch pipeline.
* Expertise in writing ansible playbooks with different modules and executing the playbooks.
* Experience in managing IAM users and Groups creating Policies and roles.
* Experienced to create and configure S3 bucket with required policy.
* Experience in EC2, Load Balance, Auto scaling, Cloud watch.
* Experienced on Configure VPC Subnet, NAT gateway, Route Tables, ACL and Security groups
* Created users and groups using IAM and assigned individual policies to each group.

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| **DECLARATION** |  |

I hereby declare that the above information is true and correct to the best of my knowledge.

**DATE:** (**Nandha K**)