**Resume**

**Devops Engineer**

**Devanandha K**

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**OBJECTIVE:**

Having around **2 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 Balance, 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
* Good Knowledge on IAC Tool like **Terraform**

# 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 **Associate Q S** in **Amazon** from July -2022 to March 2023
* Working As a **Intern Analyst** in **Deloitte** from Jan -2021 to Jan 2022.

# PROFESSIONAL EXPERIENCE

**Project :02 July -2022 to March 2023**

**Amazon**, Chennai,

Worked as a Associate Q S.

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.
* 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**

**Intern Analyst (internship) Jan-2021 to Jan-2022**

Deloitte, 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.
* 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:** (**Devanandha K**)