**Devops roles and responsibilities**

**Good Morning**

**My name is Devanandha am from Andra Pradesh, I have overall 3+ year of experience in IT industry. having experience in Aws devops engineer . Currently am working in Bangalore .**

**As part of my role worked Aws DevOps teams to achieve their goals.**

**Coming to my roles and responsibilities.**

* 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**.
* Experience in **Amazon web services**, including **IAM** ,**EC2, S3 Bucket, VPC, Load Balence, Auto scaling, EKS, Cloud Watch, ECR, RDS**
* 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**

**Coming to my day to day activities**

**. In my current application we are following agile methodology. we have the production release on every 2 weeks sprint. In the 2 weeks sprint, developer will develop the code and they will commit the code into GITHUB and after that we are performing build and deployment using cicd pipeline into lower environments (dev and UAT).if there is no bugs in dev and UAT environments then we will raise the Pull Request to merge master. Once approved the PR then we will plan production activity on every two weeks.**

**3. In Sprint planning session our team will discuss about the number of tasks about next development version. In the planning session we will provide the estimations for each task.**

**4. Once the planning session is completed then team will work on the number of tasks which is assigned in the sprint planning session**

**5. We have daily stand up meetings. In that meetings we need to discuss about current task. In case if somebody have blocker about the task we can discuss in the Daily Standup Meeting.**

**6. In my current project we have scrum master. He is responsible for collaborating the team and getting inputs from each and every team member.**

**7. In case if someone not completed the task in the 2 weeks sprint duration then we will move the task into backlog.**

**8. When we are pushing the ticket into backlog section you need to give proper reason or proper explanation about the task.**

**9. Once task completed we have review session with product owner. In the review session if the task is accepted by product owner then we can close the ticket.**