Last point..

Usually, we will get emails from developers asking for branch creation and provide access to branches.

We received the build and deployment request from developers for testing environments based upon the approval we are processing it.

Till production we do deployment

For every 2 weeks we have a production release we are going to support production environment as well.

We setup master and slave as requested by build and release team.

We provide KT for new resources and we share automation script for build and release team.

In AWS, I have created various services like EC2, lambda, S3.

Monitoring tools like Nagios

We created various jobs in Jenkins based on requirement.

**Vandana – DevOps Engineer**

**Location**: Bangalore  
**Experience**: 4.7 Years

**Roles and Responsibilities:**

**Infrastructure as Code (Terraform):**

* Created and managed infrastructure using **Terraform**.
* Wrote **Terraform blocks** from scratch and modularized them for reusability.
* Deployed **Terraform stacks** on cloud environments (primarily **AWS** and **OpenStack**).

**Cloud Platforms:**

* Managed cloud resources in **AWS** including EC2, Lambda, and S3 for provisioning and automation.
* Utilized **OpenStack** for managing virtualized resources and ensuring efficient resource allocation.

**Application Deployment (Ansible & CI/CD):**

* Deployed applications using **Ansible** and **Ansible Tower**, automating configuration management and deployment tasks.
* Integrated **Jenkins** and **Azure DevOps** pipelines to automate the deployment process.
* Set up deployment pipelines for 3 different environments: **Dev**, **QA**, and **Prod**.
  + Created infrastructure for the **Dev environment** from scratch.
  + Deployed applications to the **QA environment**, performed mock cutovers with clients, and conducted validations.
  + Managed **Production** deployment after client validation and based on scheduled **Change Requests (CR)**.

**Environment Management:**

* Managed and supported **Dev**, **QA**, and **Prod** environments, ensuring seamless transitions through deployment pipelines.
* Provided infrastructure support and assistance for **Production** environments during scheduled releases (bi-weekly).
* Coordinated with the **Build and Release team** to set up **master-slave configurations** as per project requirements.

**Monitoring & Incident Management:**

* Utilized monitoring tools like **Zabbix**, **Nagios**, **Prometheus**, and **Grafana** to monitor infrastructure health and application performance.
* Configured email notifications for alerts, ensuring quick resolution of any issues detected by the monitoring tools.

**Collaboration and Communication:**

* Worked closely with **developers** and **Build and Release teams**:
  + Processed **branch creation requests** and provided access to relevant branches as needed.
  + Handled **build and deployment requests** for testing environments after necessary approvals.
  + Assisted in **production releases** every two weeks, providing post-deployment support.

**Knowledge Transfer and Support:**

* Conducted **Knowledge Transfer (KT)** sessions for new team members, sharing essential information about existing processes, tools, and infrastructure.
* Shared **automation scripts** with the Build and Release team to streamline deployment processes.

**Tools and Technologies:**

* **Infrastructure as Code**: Terraform
* **Configuration Management**: Ansible, Ansible Tower
* **CI/CD Tools**: Jenkins, Azure DevOps
* **Cloud Platforms**: AWS (EC2, Lambda, S3), OpenStack
* **Monitoring**: Zabbix, Nagios, Prometheus, Grafana
* **Version Control**: Git

**Key Achievements:**

* Successfully automated the deployment process across multiple environments, reducing manual effort and improving deployment efficiency.
* Led the creation and management of Terraform modules, enhancing infrastructure scalability and maintainability.
* Played a key role in **production environment support**, ensuring timely releases and handling issues promptly.