Interview preparation Questions & Answers: -

Self-Introduction

- Hi, my name is Sathish, and I completed my degree in Business Administration in 2014. I joined Tata Consultancy Services (TCS) in 2016 as a Process Associate in the BPS domain, where I've been working ever since
- To enhance my career growth, I decided to upskill myself, and I recently completed a DevOps certification with Star Agile.
- During my training, I gained hands-on experience with a variety of tools and technologies, including: **

- AWS
- Git & GitHub
- Docker
- Jenkins
- Kubernetes (K8s)
- Ansible
- Terraform
- Prometheus & Grafana

- I am eager to explore new opportunities in the field of DevOps and would be thrilled to apply my skills in a dynamic environment. If there are any relevant openings within your organization, I would love the chance to discuss further. Thank you!

Project Explanation

- Successfully Delivered a Comprehensive Banking and Finance Automation Project.
- Project Overview:
  I recently completed a fully automated DevOps pipeline for a Banking and Finance application, utilizing cutting-edge tools and technologies. This project demonstrates the power of automation in infrastructure setup, CI/CD workflows, containerization, configuration management, and monitoring.

- Key Highlights:
  - Technologies Used:

  ~ Version Control: Git
  ~ Build Tool: Maven
  ~ CI/CD: Jenkins
  ~ Containerization: Docker
  ~ Configuration Management: Ansible
  ~ Infrastructure as Code: Terraform
  ~ Monitoring: Prometheus and Grafana

- Automated Workflow:
  * infrastructure creation with Terraform (EC2, VPC, Subnet, Security Groups).
  * Configuration management using Ansible to install Jenkins, Docker, Git, and Java.
  * CI/CD pipeline set up in Jenkins for:
  Cloning the repository
  Testing and building the code with Maven
  Building and pushing Docker images to Docker Hub
  Deploying Docker containers on managed nodes using Ansible playbooks

- Monitoring and visualization of metrics via Prometheus and Grafana.

  ~ Pipeline Features:

Integrated GitHub Webhooks for automated triggers on code commits.
Secure connections and credentials management for Docker Hub and Ansible.
Comprehensive deployment strategy for smooth application releases.

- Outcome:

  Delivered a streamlined, scalable, and efficient automation solution for seamless software delivery and monitoring.
  This project showcases my skills in DevOps, cloud computing, and infrastructure automation.

Modules Scores

Module 1: AWS Cloud 0/20

Module 2: Linux Fundamentals 0/10

Module 3: Overview of Python 0/10

Module 4: DevOps Overview 0/5

Module 5: DevOps on Cloud 5/5

Module 6: Managing Source Code – Git and GitHub 0/10

Module 7: Understanding and Using Build Tools 0/10

Module 8: Continuous Integration Using Jenkins 5/20

Module 9: Containerization, Docker, and Docker Hub 0/20

Module 10: Container Orchestration Tool - Kubernetes 0/20

Module 11: Configuration Automation using Ansible 0/20

Module 12: Terraform Overview 0/10

Module 13: Continuous Monitoring using Prometheus and Grafana 0/10

Module 14 (Projects): Capstone Project 5/30

Total Marks 15/200

Communication 4/20

Feedback: Project explanation was not good. Lacks basic knowledge of entire course curriculum. You need to study each topic line by line in depth