Week-1 → Linux
Week-2 → AWS } Pre-Requisite
week-5 → Minor Project
Week-4
KBS < Week-7
        Week-8

- Git
- GitHub } Week-3

Docker

Maven
GitHub Action
Jenkins
} b
Week-6

① Code   ⑦ Plan   ⑥ Release   Deploy ⑤

Dev
CI

Ops
CD

— Ansible → Week-9
— Terraform → Week-10

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⑨ Test   ③   ④   ⑤ Monitor   ⑦

Sonar Qube
Junit

— Prometheus
— Grafana
— Alert manager
— Node Exporter
} Week-11

Week-12 → Major Project

Please Go through with the Topics
and ask you doubts

Git
→ Git Branch
→ Diff Areas of Git
→ Revert
→ Reset
→ Merge Conflict
→ Rebase
→ Cherry-Pick / Stash

GitHub → PR
→ GitHub Actions

AWS
→ EC2
→ Type of Instances
→ AMI

- → S3
  - → Security Group
  - → Versioning
  - → ACL
  - → Policy
- → VPC
  - → CIDR
  - → Subnet
  - → Private/Public IP
  - → IG/Sub
- → RDS
  - → SQL Based
  - → NoSQL ,,
- → DevOps Services
  - → ECR
  - → ECS
  - → EKS
  - → Code Commit
- → Cloudwatch
  - → SNS
  - → Alert
  - → Notification
  - → Monitoring
- → IAM
  - → User
  - → Group
  - → Policy

Jenkins
  - → Plugins
  - → Jobs
  - → Tool setup
  - → Pipeline
  - → Poll scm
  - → Cron Jobs for Scheduling a Job

Docker
  - → Images
  - → Container
  - → DTR (Docker Hub)

→ Dockerfile
→ Docker Deamon
→ Docker CLI
→ Docker Volume
→ Docker Network
→ " Compose
→ Port Mapping

Kubernetes

→ Kubernetes Architecture
→ Pod / Container
→ Service
→ Replicaset
→ Deployment
→ Namespace
→ Node | Node Selector | Node Affinity
→ Configmap
→ Secrets
→ Resource Quota

Ansible

→ Work Mechanism
→ Configration for Ansible
→ Ad-hoc
→ Module
→ Playbook
→ Roles
→ Handlers
→ Host | Inventory

Terraform

→ Provider
→ IAM
→ Resources
→ vars
→ tfvars
→ Declartive
→ Workspace

→ tfState

→ Cron/Loob/List/curley

Prometheus/Grafana/Alertmanager/Node Exporter

→ Architecture

→ PromQL

→ Grafana Dashboard

→ Prometheus Config

→ Alert manager Conf.

→ Notification Settings