Perfect — here's your **personalized 30-Day DevOps Learning Roadmap** for someone with **4 years of experience**, targeting an **AWS DevOps Engineer role**. This plan is **practical**, **hands-on**, and **focused on the tools and concepts** you’re most likely to be tested on.

## **🗓️ 30-Day AWS DevOps Learning Plan (Mid-Level – 4 Yrs Exp)**

### **🧠 Week 1: Core AWS + Linux Refresh**

**Goal:** Build strong cloud & OS fundamentals

| **Day** | **Focus** |
| --- | --- |
| Day 1 | AWS Basics: IAM, EC2, S3, CLI, regions, availability zones |
| Day 2 | Networking in AWS: VPC, Subnets, Route Tables, NAT, SGs |
| Day 3 | EC2 Hands-on: Launch, SSH, EBS, Elastic IP |
| Day 4 | Linux Commands Review: SSH, crontab, permissions, grep, tail, logs |
| Day 5 | Bash Scripting: Write a backup script, automate EC2 start/stop |
| Day 6 | S3 Lifecycle + CloudFront setup (static hosting + caching) |
| Day 7 | Practice Quiz + Notes + AWS free-tier cleanup |

### **🔧 Week 2: CI/CD + Git + CodePipeline**

**Goal:** Be interview-ready for pipeline setup and version control

| **Day** | **Focus** |
| --- | --- |
| Day 8 | Git basics: clone, push, pull, merge, rebase, branching strategy |
| Day 9 | GitHub Actions OR Jenkins pipeline setup (build/test/deploy) |
| Day 10 | AWS CodePipeline + CodeBuild hands-on (deploy to EC2 or S3) |
| Day 11 | GitHub Actions workflow file for Node/Python project |
| Day 12 | Blue/Green deployment strategy in theory + practice |
| Day 13 | Real-world pipeline: Auto deploy when code pushed to GitHub |
| Day 14 | Troubleshoot build fails + write a checklist |

### **⚙️ Week 3: Terraform + Docker + EKS**

**Goal:** Automate and containerize everything

| **Day** | **Focus** |
| --- | --- |
| Day 15 | Terraform basics: provider, resources, variables |
| Day 16 | Write IaC: VPC + EC2 + S3 using Terraform |
| Day 17 | Terraform backend, modules, state locking |
| Day 18 | Docker Basics: Image, Container, Dockerfile, Volume |
| Day 19 | Build + run Dockerized app (Node, Python, or your own) |
| Day 20 | EKS Basics: Pod, Deployment, Service, Ingress |
| Day 21 | Deploy a container to EKS using Terraform or eksctl |

### **📈 Week 4: Monitoring, Security, Projects**

**Goal:** Be ready to handle real-time deployments and incidents

| **Day** | **Focus** |
| --- | --- |
| Day 22 | CloudWatch: metrics, alarms, custom logs |
| Day 23 | ELK Stack or Prometheus + Grafana basics |
| Day 24 | IAM roles, policies, security best practices |
| Day 25 | KMS, Secrets Manager, parameter store |
| Day 26 | Write a deployment runbook and rollback plan |
| Day 27 | Set up alerting (e.g., CPU > 80%) |
| Day 28 | Build a mini project: CI/CD + Docker + ECS or EC2 + Terraform |
| Day 29 | Prepare for interviews (STAR stories, real-world scenarios) |
| Day 30 | Mock test + resume check + LinkedIn update |

## **🛠️ Tools You Must Be Confident With by Day 30**

* AWS: EC2, VPC, S3, IAM, EKS/ECS, CloudWatch, CodePipeline
* Terraform: Write & deploy infra
* Docker: Build, push, run images
* Git + CI/CD: GitHub Actions or Jenkins
* Bash scripting
* Logging: CloudWatch, ELK, or Prometheus

## **🔥 Optional Project Ideas (Add to Resume/Portfolio)**

* **DevOps Portfolio Project**: Deploy a web app using GitHub Actions → Docker → ECS → CloudWatch monitoring
* **IaC Project**: Provision full infra (VPC, EC2, S3, RDS) with Terraform
* **Security Showcase**: Implement IAM roles, Secrets Manager, and CloudTrail

Would you like:

* A Notion or Trello board version of this roadmap?
* PDF checklist format for daily progress?
* Mock interview based on this roadmap?

Let me know!