## Plan: DevOps Lab on AWS + EKS

Step 1	Create network module (VPC, Subnets, IGW, NAT, Routes)
Step 2	Write documentation for network module (README.md)
Step 3	Create eks module (EKS cluster + node group)
Step 4	Write documentation for eks module
Step 5	Create IAM roles for EKS cluster and node group
Step 6	Connect eks module in environments/dev
Step 7	Access check to cluster (kubectl, kubeconfig, outputs)
Step 8	Install ArgoCD via Helm
Step 9	Configure GitOps (Applications, App of Apps)
Step 10	Deploy application (2 Flask microservices + ingress)
Step 11	Configure RDS and ElastiCache (modules, security groups)
Step 12	Integrate application with database and redis
Step 13	Install Prometheus and Grafana (Helm chart)
Step 14	Expose metrics from microservices
Step 15	Setup GitHub Actions (Terraform, build, push, deploy)
Step 16	Final documentation: structure and usage