Azure Kubernetes Cluster LLD

frontend replicas=2

deploy / hpa

pod — Pod2 / pod — Pod2

Service(ClusterIP)

Ingress

ui.dhondhu.online

backend replicas=2

deploy / hpa

pod — Pod2 / pod — Pod2

Service(ClusterIP)

Ingress

api.dhondhu.online

Ingress Controller **PublicIP**

Azure Kubernetes Service

Users

DEVOPS INSIDERS

Azure Kubernetes Service

Users

WAF

Application Gateway PublicIP

Ingress — ingress namespace

svc — deploy — pod / pod — hpa — dev namespace

Database Server

Azure SQL Database

Azure Repos

Azure Pipeline CI/CD

docker push

Azure Container Registry

docker pull

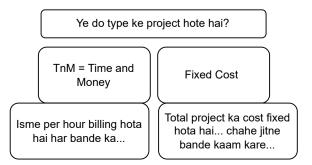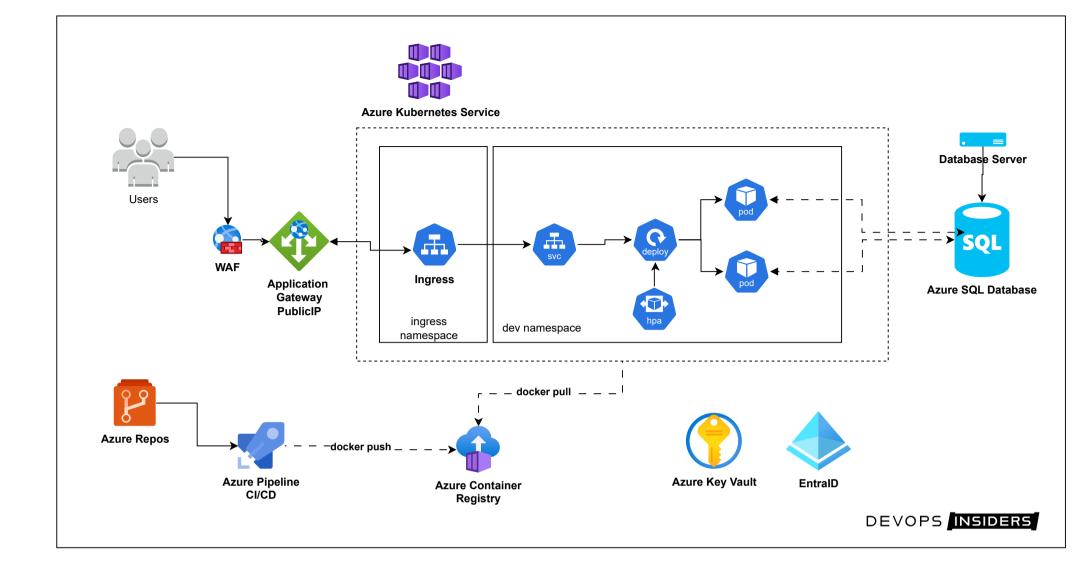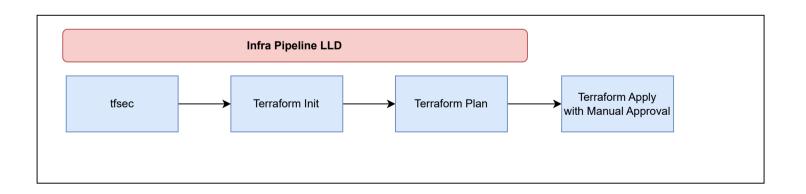**Azure Key Vault**

EntraID

DEVOPS INSIDERS

How many environment need to be created? = dev and prod

What size and number of nodes to be created in aks?

Which Subscription to be used for Infra Creation?

How to get access on Subscription?

What tools will be used? = terrafrom, azure pipelines, sonarqube, trivy etc..

What branching strategy to be followed?

Infra Pipeline LLD

tfsec → Terraform Init → Terraform Plan → Terraform Apply with Manual Approval

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Ye do type ke project hote hai?

TnM = Time and Money

Fixed Cost

Isme per hour billing hota hai har bande ka...

Total project ka cost fixed hota hai... chahe jitne bande kaam kare...

The 4-eyes principle is a control mechanism that requires at least two people to approve an activity, such as a decision or transaction. It's used to increase transparency and reduce the risk of fraud and errors.