10 Day RoadMap

Monolithic Application ka end to end automation ke through complete karna hai

Tuesday, 9 December 9 PM

Apne haath se har ek code likhkar, 5 bande ko apne saath padana hai screen share karke..

9 december tak ye khatm karna hai upr wala sabko mehnat karke

10 December se 20 December - Crash Docker/Kubernetes - Tuesday, and wednesday raat 9:30 PM se

30 December se 30 December - Introduction, Project preparation, resume preparation, Tuesday, Wednesday raat 9:30 PM se

Saath saath LinkedIn Post of the Day.

Resume bdia banana hai..

Introduction + Project Preparation - Apeksha Mam ki Classes lena hai..

Aaj se resume dalke fail hona hai naukri.com pr..

Next 2 Days = till monday 1 december

HLD and LLD for Monolithic Application using Draw.io

Bewkuf logo ko community se bhagane ka kaam karenge..

Uske baad 1 december - 4 december

Terraform ke through ke through and azure repo ke through pura infra structure implement karna hai
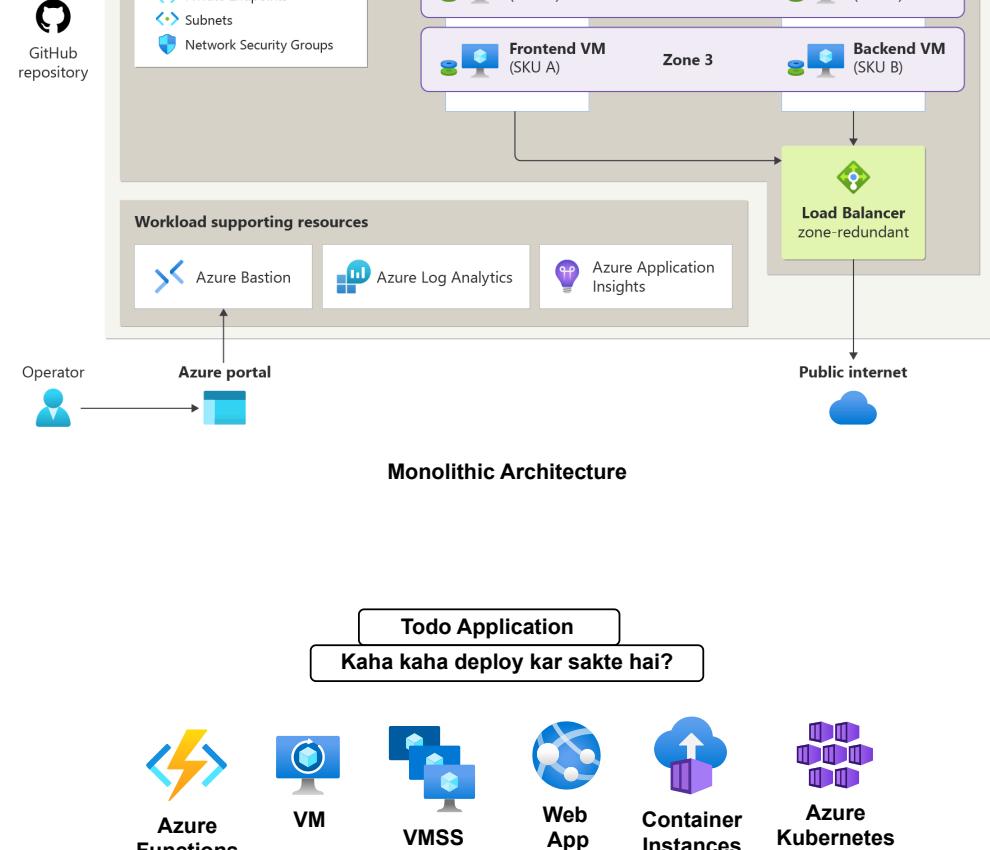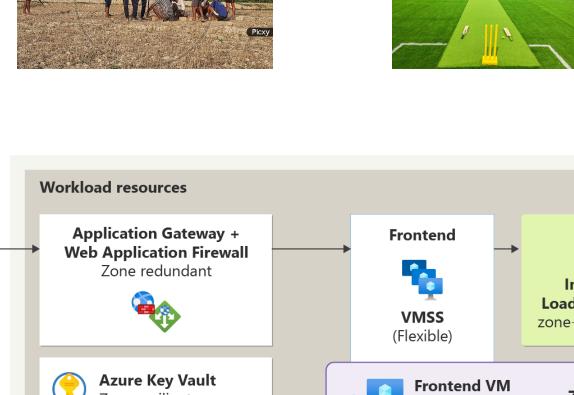
5 December - 9 December - Application Deployment + Backup + DR + Monitoring + Security

Agle 10 din me 10 log ko pada pada ke upr niklna hai..

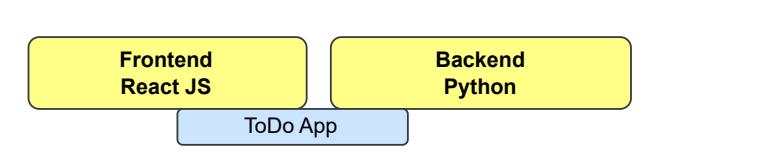30 min har din, subh me 10 min, shaam me 10 min, apne introduction ko record karna hai..
Introduction + Product User Case

Nahi follow karne par, Community se bahar..

Cloud

IAAS

PAAS

Workload user

GitHub actions

GitHub repository

Workload resources

Application Gateway + Web Application Firewall
Zone redundant

Azure Key Vault
Zone resilient

Networking
Private Endpoints
Subnets
Network Security Groups

Frontend
VMSS (Flexible)

Internal Load Balancer
zone-redundant

Backend
VMSS (Flexible)

Frontend VM (SKU A) — Zone 1 — Backend VM (SKU B)

Frontend VM (SKU A) — Zone 2 — Backend VM (SKU B)

Frontend VM (SKU A) — Zone 3 — Backend VM (SKU B)

Load Balancer
zone-redundant

Workload supporting resources
Azure Bastion
Azure Log Analytics
Azure Application Insights

Operator

Azure portal

Public internet

Monolithic Architecture

Todo Application

Kaha kaha deploy kar sakte hai?

Azure Functions

VM

VMSS

Web App

Container Instances

Azure Kubernetes

Azure Pipeline se Todo App End to End deploy karna hai...

Frontend React JS

Backend Python

ToDo App

1. Clone in _work/1/s
npm install
npm run build
build/

Pipeline

Command Orchestrator

Agent

Frontend React JS

Integration(एकीकरण)

https://github.com/devopsinsiders/ReactTodoUIMonolith.git

node tool
npm install
npm run build

build/, - Kahi na kahi upload karna padega
build/, -zip karke ek file bana de

NodeJS Install hona chahiye

scp

nginx web server

Deployment

Storage Account

Authentication

Key

SAS

Entra ID

Pipeline

kab?
kab chlegi?
Trigger:
on:

Kaha?
kaha Chalegi?
Agent
Runner

Kya?
KYa Chlega?
Task, Job, Stage
Job and Task