Devops

AWS:

Users:

— root user — IM user

↳ agr admin rights dedo tw root user ki tarah kam kar skta pr im user account dose nhi kar skta.

① we can access Aws by three methods.
— management consale
— cmd (imp for pipeline)
— Software dev kit (Integrate in VScode)

• Regions and Zones

ek region k andr multiple zones hote.

ek region mein minimum two zones hone chahye. Zones k andr min. 2 data centers hone chahye

EC2 website deploy karnek liye use hoti.

cdn → Same exp mile users ko Kaheen se bhi trigers karen.

Amazon EC2 :-

- • principals of devops
  - • system thinking — • Amplifying feedback loops.
    (Continous feedback)
- • continous experiment and learning

Certification Assigment.

Kodecloud pr dokers beginner.

Devops Principles.

- Eliminating waste
- building quality
- Creating knowledge
- diffusing commitment
- Deliver fast
- Respect People
- Optimize the whole

"A3 Problem Solving Framework"

- Background ⎫
  Problem stat. ⎬ Plan
  Goal ⎪
  Analysis ⎭

Proposed Counter ⎬ do
Implement Plan ⎬ check
follow Up ⎬ Act

Three Ways Principales:

1) System thinkings.
2) Amplifing feedback loops.
3) A culture of continuous experiment and learning

System thinking

Collaboration across functional lines.

Emphasize performance of entire system.

Feedback loop

improve feeback loop

— . Automated tests into pipelines.
— . Embed Operations team into dev team.
— . Quality Dashboards

③ Culture of Continuous Experiment

encourage risk taking and failing forward.

④ Silos into 1team

—. Development ⎫
—. Test   ⎬ DevOps
—. Release ⎬ makes entire team
—. Operations ⎭ accountable for all
those things.

DevOps Cycle

—. Building
—. Deploying
—. Operating
—. Supporting

Lean techniques and Devops both are all about people, focuses on delivering value for the customer.

LSD (Lean Software dev)

- Agile Framework
- Focuses on optimizing process, eliminating waste

→ also called MVP strategy (minimum viable prod)

↳ because, It,
team releases a bare minimum version of product to market, learn from users.

Date: _____

CALMS & CAMS

— Culture   —. "
—. Automation   —. "
—.. Measurement   —. "
—. Sharing   —. "
—. Lean   X