IT infrastructure AWS services & software development.

- · Amazon Elastic compute cloud (ECZ)
- Amazon Ecz provides resizable compute capacity in the cloud, allowing uses to quickly scale computing resources as

#### Use cases.

- · Hosting web applications
- · Running backend servers
  - · Batch processing

### Benebits

- Flexibility to choose instance type
- · scalability
- · Pay as you go pricing model
- · Integration with other Aws services

### chattenges.

- · Managing instances
- · optimizing costs
- · Ensuring security config.

# 3 Amazon RAS

operation, & scaling of a relational database in the doud. It supports multiple database like Mysal Postgresal, oracle etc.

#### use cases

- · web & mobile applications
- · Backend databases
- · E-commerce platboom

## Benefits

- · Automated backups & updates
  - · Scalability
  - · Sucurity

### challanges

- · cost management
- · Database engine limitations
- · Perboomance tuning & optimization.

## 3 Amazon Virtual private cloud

Amazon UPC enable you to provision a logically isolated section of the AWS cloud where you can launch AWS

#### Use cases:

- · Hosting secure web app
- · Extending cooperate networks
- · Disaster recovery
- · Running sensitive workloads

### Benefits

- · Network isolation & control
- · Customizable network config
- · Enhanced security

### challenges

- · complexity
- · Network security
- · Managing VPN & Direct commect links.