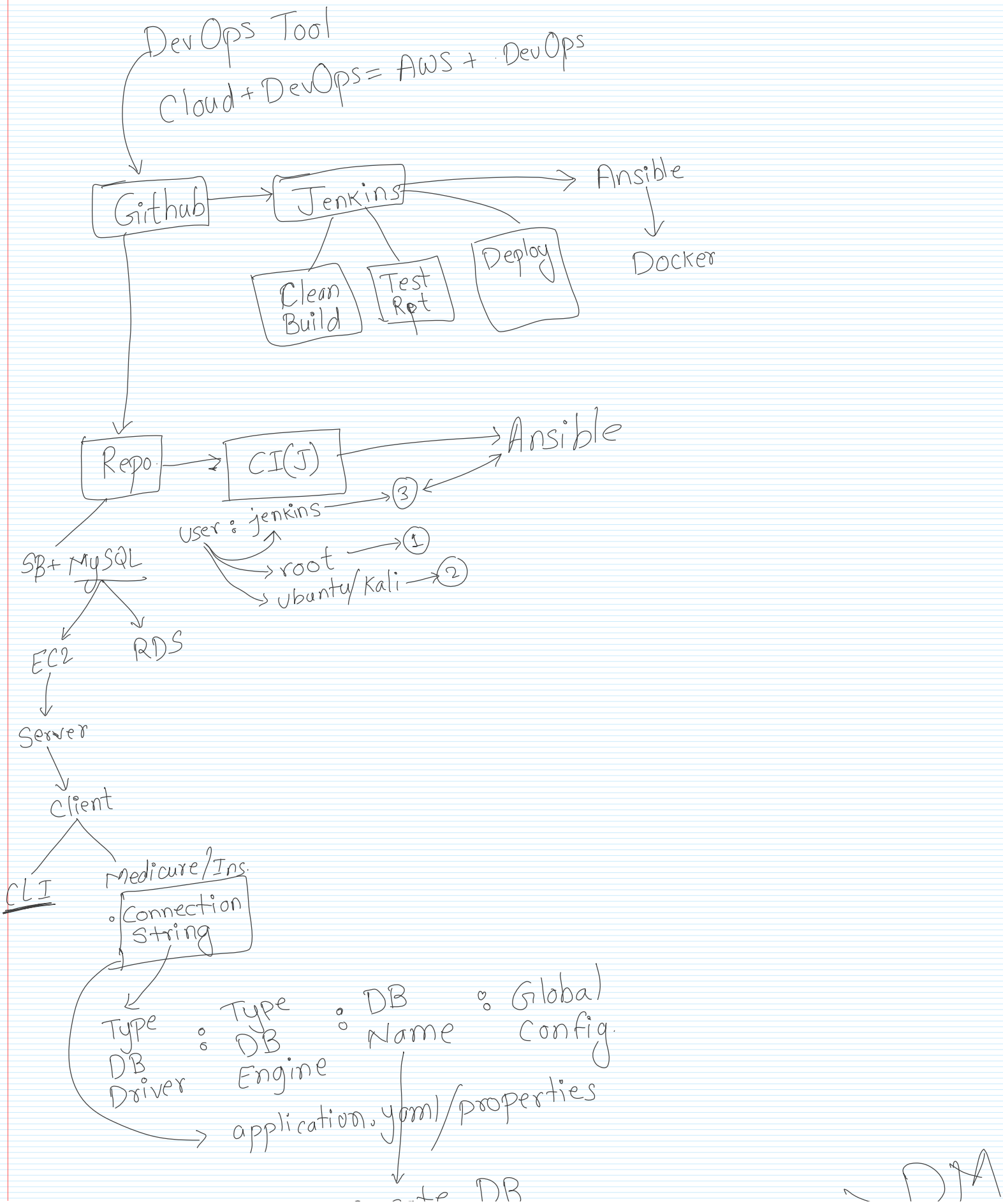
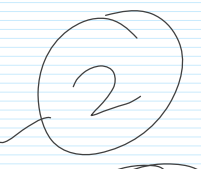

DevOps Tool
Cloud + DevOps = AWS + DevOps
Github
Jenkins
Ansible
Docker
Clean Build
Test Rpt
Deploy
Repo
CI(J)
Ansible
3
user : jenkins
root
1
ubantu/Kali
2
SB+ MySQL
EC2
RDS
Server
Client
CLI
Medicure/Ins.
Connection String
Type DB Driver : Type DB Engine : DB Name : Global Config.
application.yaml/properties



- create DB

src/main/Resources/ — data.sql → Insert, Delete → DML

schema.sql → Create Object → DD

Trigger / Table

DBA

Database
- set of objects

sequence

Table

primary key

| Id | Name | Sal | Dept |
|---|---|---|---|
| 1 | A | | |
| 2 | B | | |
| 3 | C | | |

Trigger → 4 D

Trigger (Event)

- Event

Insert

87

88

patientId

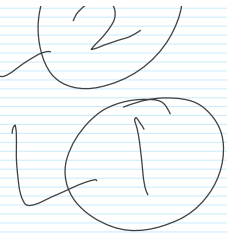
Name

Doctor

Location AP

K

Trigger



When

What

Lambda

code(what)

How Much Compute Require

EC2

Host

Dedicated

Instance

sharable

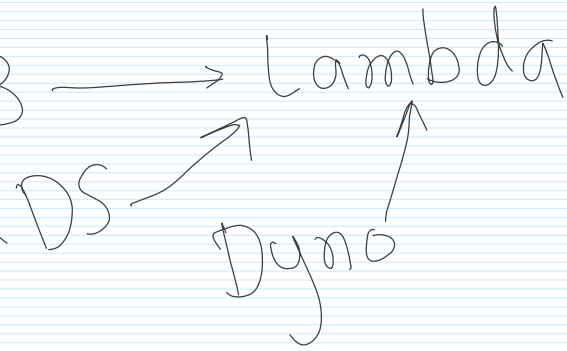
- you manage
  - Infra
  - Server Base

erverless

FaaS

Micro Services

Lambda




ws Manage

Infra.

Serverless

**Server Base:**

Monolithic Application
1 Server (EC2 Host)
N-Tier Application
3 Servers( EC2 instance)

End User --> AppServer --> Web Server(Hangs)--> DB Server

**Server Less:**

Microservices --> Module wise execution
Lambda

http://abc.com/payment

Input : S3
Processing : Lambda
Output : RDS

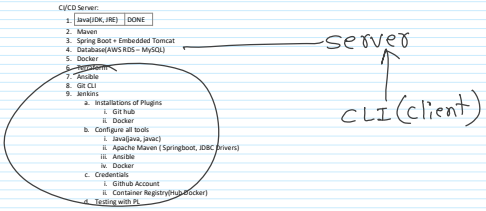
5 min --> EC2(Instance)

5 Min --> Lambda

Dev1 --> 2 Years --> Laptop ==> Container

CI/CD Server:

1. Java(JDK, JRE) | DONE
2. Maven
3. Spring Boot + Embedded Tomcat
4. Database(AWS RDS – MySQL)
5. Docker
6. ~~Terraform~~
7. Ansible
8. Git CLI
9. Jenkins
   a. Installations of Plugins
      i. Git hub
      ii. Docker
   b. Configure all tools
      i. Java(java, javac)
      ii. Apache Maven ( Springboot, JDBC Drivers)
      iii. Ansible
      iv. Docker
   c. Credentials
      i. Github Account
      ii. Container Registry(Hub.Docker)
   d. Testing with PL




ubuntu@NEL007:~$ pwd
/home/ubuntu
ubuntu@NEL007:~$ sudo su root

root@NEL007:~#pwd
/root

root@NEL007# su jenkins

jenkins@NEL007@ :~$ pwd
/var/lib/jenkins/