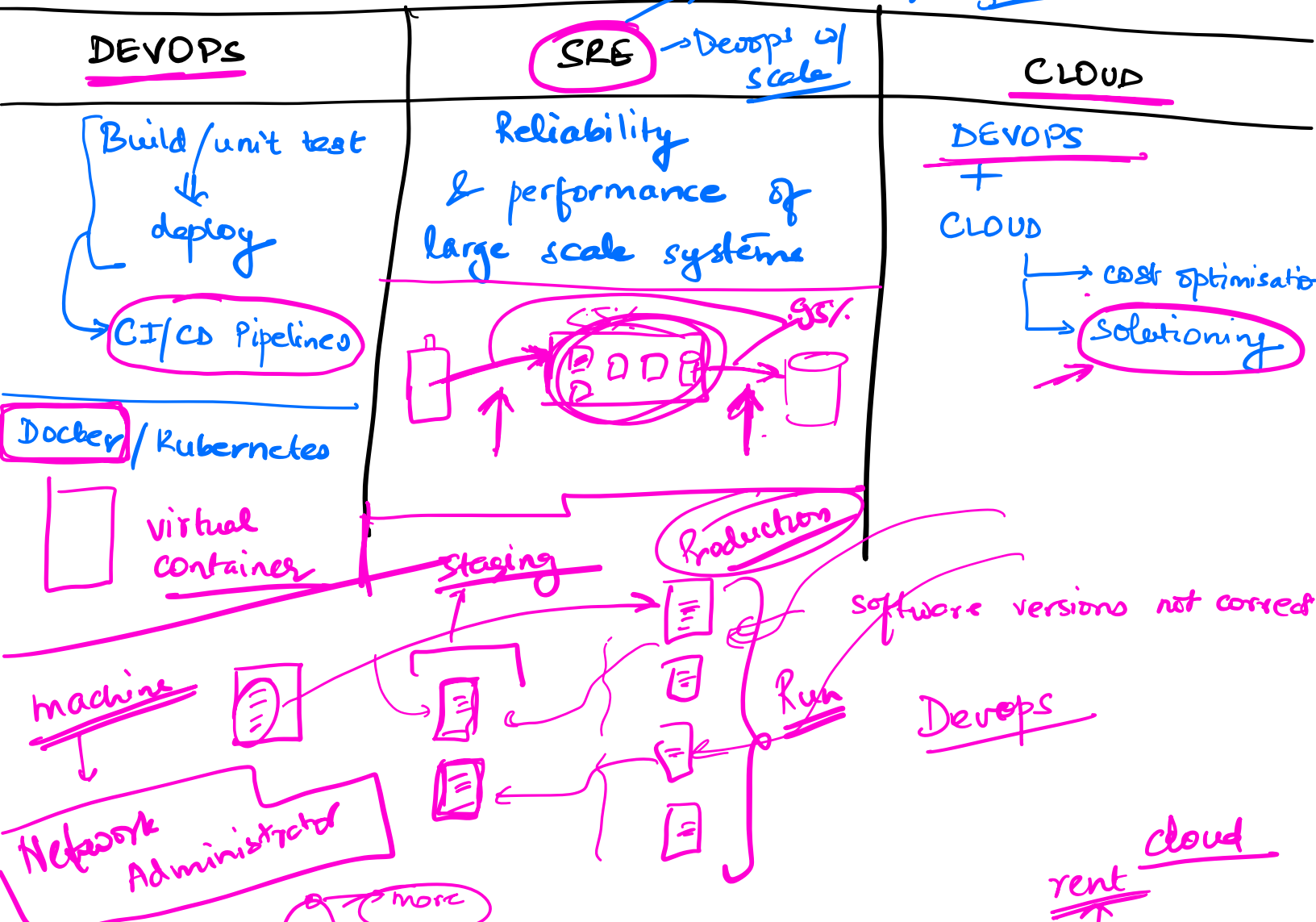


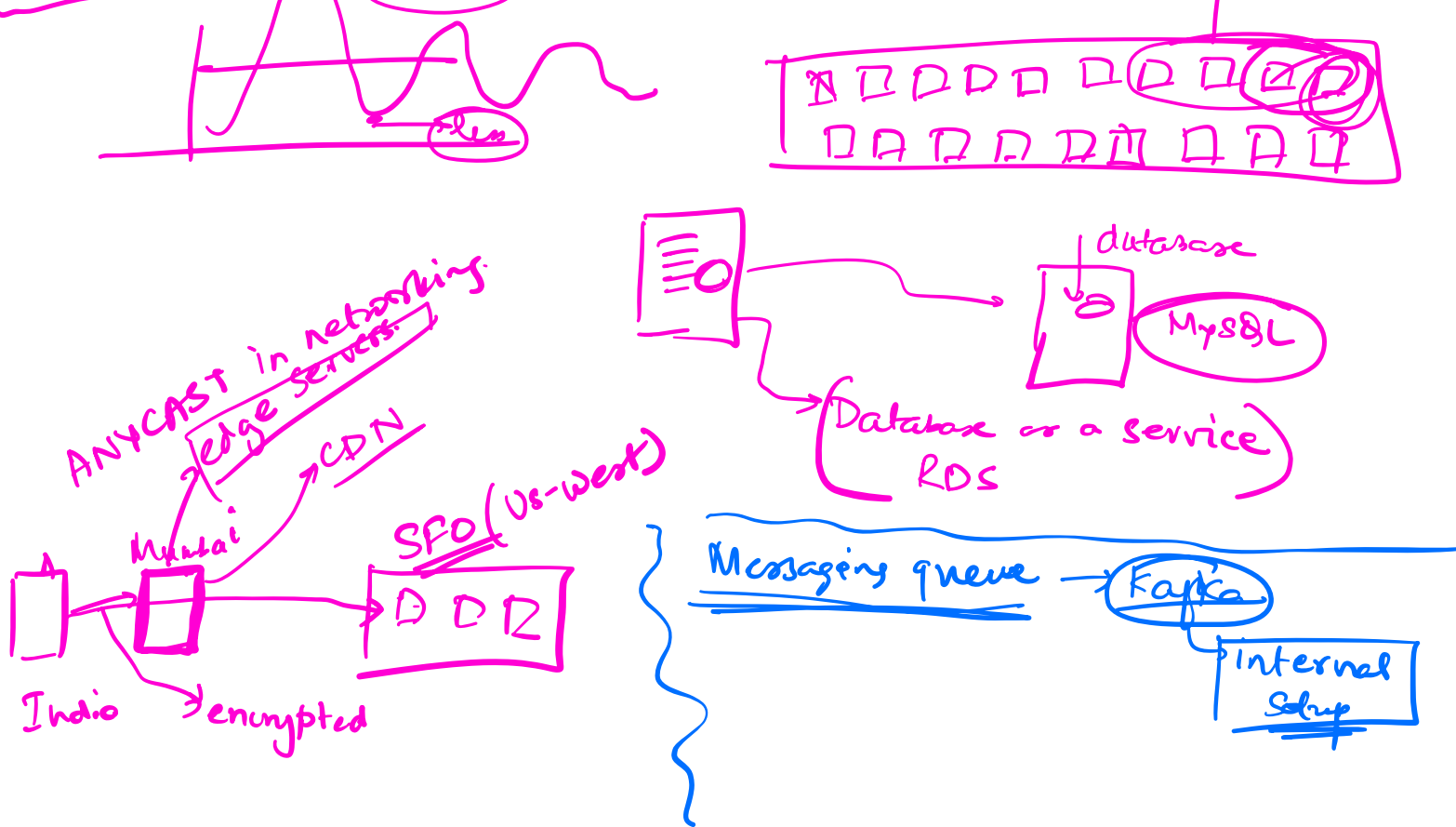
# CAREER & GROWTH - DEVOPS

## AGENDA:

- ① INTRO
- ✓ ② WHAT DOES DEVOPS/CLOUD/SRE INCLUDE
- ③ ROADMAP OF LEARNING
  - ↳ HOW TO DO THIS EFFECTIVELY
  - ↳ RESUME POINTERS
- ✓ ④ ROUGH SALARIES & LEVELS

Q&A AT THE END / NOTES SHARED / RECORDING NA  
→ site reliability engineer





## ROADMAP

WHAT? :

### ① SCRIPTING LANGUAGE

→ PYTHON / GOLANG / BASH

Python

- Brilliant.org → Thinking in code
- Codecademy
- Scaler Topics
- HackerRank.

### ② EASY / BASIC DSA

Learn

Practice

- string parsing ✓
- list manipulation
- basic search / binary search
- Hashing / hashmaps
- sorting

optional

CodeKclp  
ApnaCollege  
Scaler Topics

Leetcode  
InterviewBit

Stacks/queues/linkedList  
Trees

Very very easy problems.

Topics: InterviewBit

### ③ Linux Internals / Basic CS Fundamentals.

- Troubleshoot

↳ logfile → T1-T2 (awk/sed) → scripts  
↳ error logs → awk  
↳ latency from logs

Kodekloud

- Processes in OS

- Damon/cron jobs

- Network

↳ trace packet drops  
↳ IP conflicts / DHCP / ...  
↳ sockets & ports  
↳ Router / switch



### ④ Devops Tools

- Docker

- Kubernetes

- chef

- Prometheus / Grafana / ELK / NewRelic

Datadog / WataDog /

Splunk → Observability

- Ansible

- Terraform

- Jenkins

Git Actions  
Git → version control.

Learn a new tool quickly

Devops Jobs

5

Cloud (AWS): Azure  
GCP

Certification

Professional  
Basic

- components
- managed services
- VPC / IAM
- DNS Route53
- CDN
- S3
- Cloudwatch

≡

⇒ Devops & cloud eng. jobs

6 HIGH LEVEL DESIGN (System Design)

⇒ Most SRE jobs.  
+

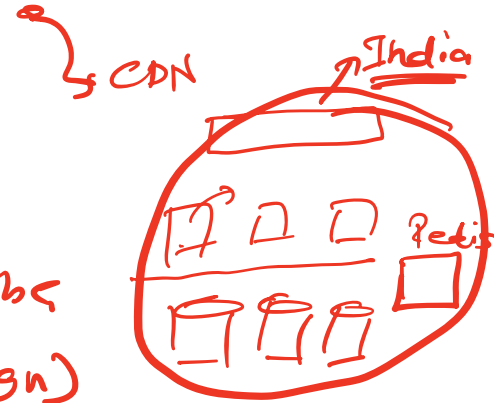
DSA for certain SRE Roles

→ All SRE jobs.

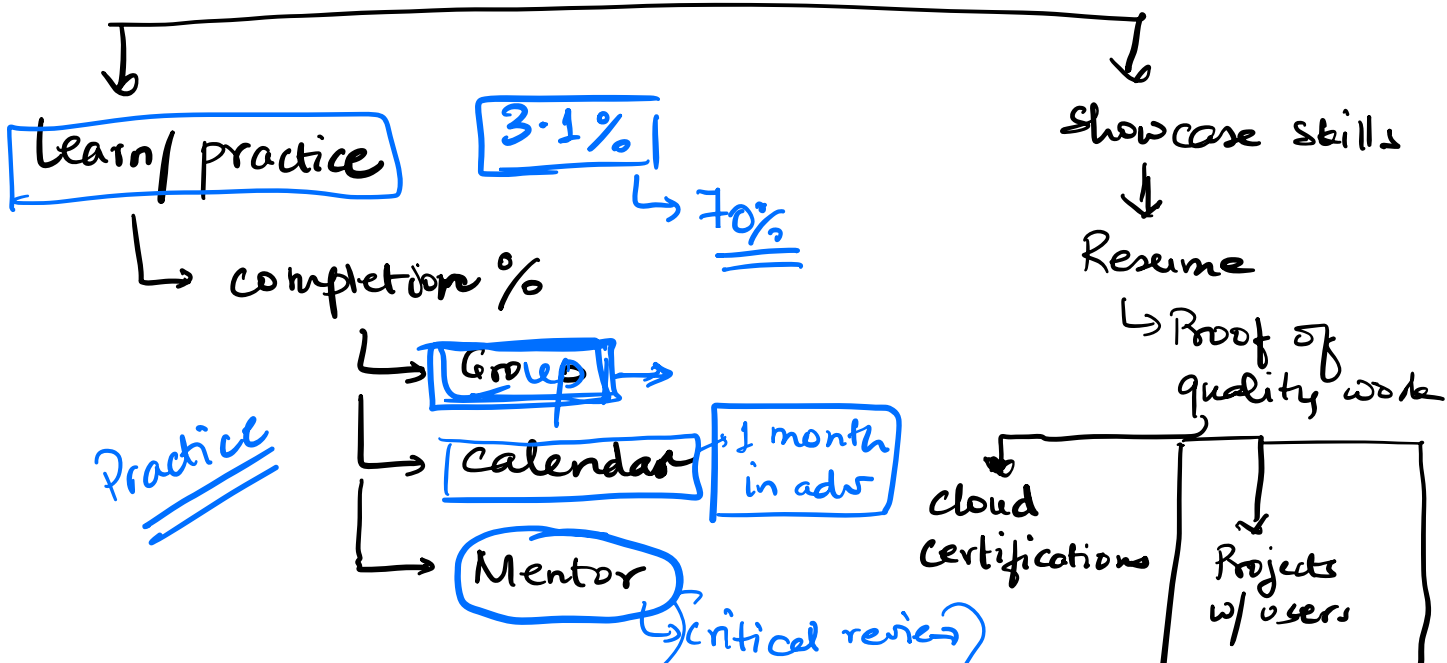
Designing data intensive application

ByteByteCo

Gaurav Sen



How?



{ on subjective }

0.5

Relevant  
exp.

## SALARIES

### Research :

- Levds. fye
  - Ambition Box
  - Glassdoor
- Naukri.com

Devops

SRE

Cloud : 20% higher

Entry : 2-18L

↓  
Slower

10 yrs → 10-20L

Entry : 6-24L

↓  
Faster

10 yr → 18L - 1.5G

Dublin

Resume → 1-pager  
→ overleaf.com

## ✓ Differentiators

- College
- Projects w/ external quality proof
  - ↳ (relevant experience)
    - ↳ company or work
  - ↳ project w/ real users.
    - ↳ {Plane / ...} → deploy
    - ↳ Mattermost / RocketChat
- Cloud certifications
  - ↳ DevOps
    - ↳ Cisco's network
    - ↳ Kubernetes
- Exp: ↳ recognition/award/ratings