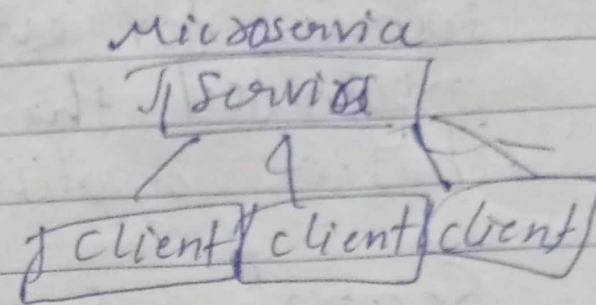
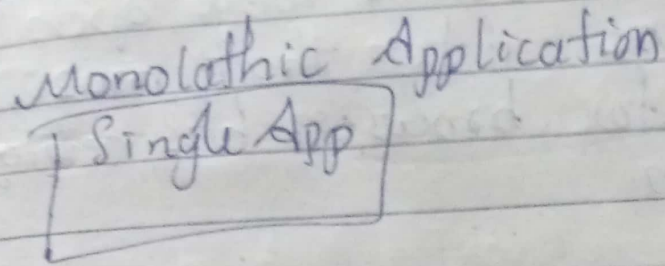


(ii) evolution of Software Industry Part - 2



Dot com Bubble
item name with .com

Y2K :- Year 2 thousand

Year issue

1950 to 1970

instead of using 4 digits 1990

developers use 2 digits 90

1-1-90

1966 - 1970
So many developers start learn
coding to solve Rk issues

Client-Service Architecture

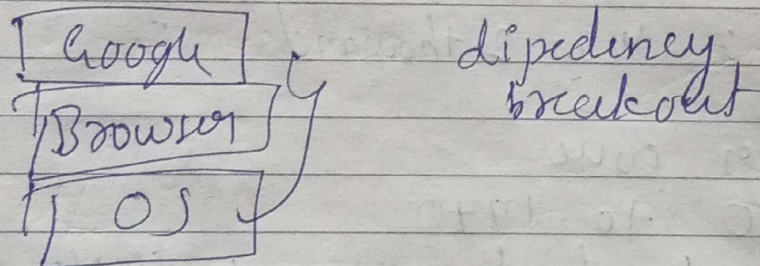
Browser : Netscape / IE

• Microsoft get cased and fine for
building and bundled Application with
OS without a option for uninstall
and user preferred.

• Netscape make their source code open
source for everyone after that mozilla
originated the Firefox browser has netscape
based application

Search engine era (Google)

• search engine are browser based.



• Google developed their own Browser
and make it open source

- ~~See~~ Browser uses JavaScript for spider application because JS is machine independent

Platform as a service } server
Software as a Service

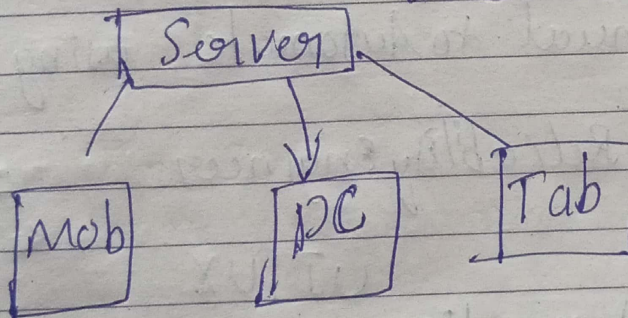
On prem data goes to the data centers of provider they called cloud service

Mobile Smart Phone Era
Mini Computer

one of the widely is Android powered by Google

After that Software Developers as also a mobile Application developers

B2C evolve rapidly



LLM and GPT (AI Revolutions starts)

Job Roles

- Developers - ~ 60% 70%
- QA / Test → 10-20%
- Project Manager - ~ 10-20%

Quality Assurance
 ↓ ↓
 Manual Automation

Examples and Reason why Testing Needed

1) Amazon: Early days they lost dollars for allowing negative numbers

2) NASA: Rocket mismatch of data modeling between 2 functions this reason route changes and rocket crashes

Dev/SDET/Developer

DevOps

Developer Operations

Manual to Automate using CI/CD

SRE: Site Reliability Engineer

→ Security Optimization UI/UX

→ Data Analyst / Data Scientists

→ AI/ML

