

## Things to remember while building Microservices

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Huge scope for growth

A lot of core services and glue services

are built when we adopt microservices.

Hence, there are many things that needs to be

built, architect, scale and manage

Engineers can use this opportunity to skep-up,

own and earn some brownie points.

\* not just some kechineal side only we can showcase ownership, accountabily, attention to detail, leadership

Conflick are inevitable

There is no one right way to build any system.

When teams work transfer there would be are about arch decision

- data driven informed decisions - watch and learn

- When kams work together, there would be arg about arch/decisions
  - consult seniar engineers \_ sometimes/not always
  - okay to go along with design you disagree with
  - let senions discuss and converge
  - deciding in silo is fatal
    - vision will evolve, adapt

Archikchere evolves

Say, we have decided to use Mysal as our primary DB

but now our usecase facces pattern changed.

hence, we should be okay chaning the database

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The decision of deviating from what agreed upon is a big one.

This stequines consensus and a solid steasoning.

Note: When we do 1, document the steasons

Technical Debt

Mostly because we have to ship faster.

We cannot always build it the best way possible!

Engineering efforts are in a constant race ogainst time

hence we cut corners

Technical Debt

These decisions prevent us from shipping/building faster in the future.

It can also happen because the vision/requirements changed midway

Technical Debt is catastrophic and should be cleaned up periodically. Every sprint we should reserve

NIO% of bandwith in cleaning it up.

Service Templates and Enforcing Standardization We know how important is to standardize minoservices but instead of relying on service owners, build templates to spin up microservices So, anyone using a kmplak, would automotically follow the standard and best practices. Ex: HTTP and gRPC for communication Hyskrix for circuit breaking Prometheus for metrics / clients integrated

Core idea: avoid duplicale efforts that are prone to deviate Enforcing standardization may backfire

as engineers might feel strangled

Redis as a cache

→ this can be solved by providing proper recisoning → updating the central templak should be a collective effort

where most kams are involved.

Keeping kams and engineers involved will reduce the negative sentiment.

Business >> Engineering

Has to be one of the most "offending" thing far on engineer but it is true...

Whatever we do, should be aligned with strukgic good of the business lmagine,

Business wank to ML Team provisions achieve profitability 50 GPU clusters

Some work should be concloudly deprioritized and this is not at all personal

\* The projects we pick up, the tasks we do, should always be aligned with the business's strakgic goals.