— PROJECT SUBMISSION —

LetsUpgrade Pratap Kumar Bal

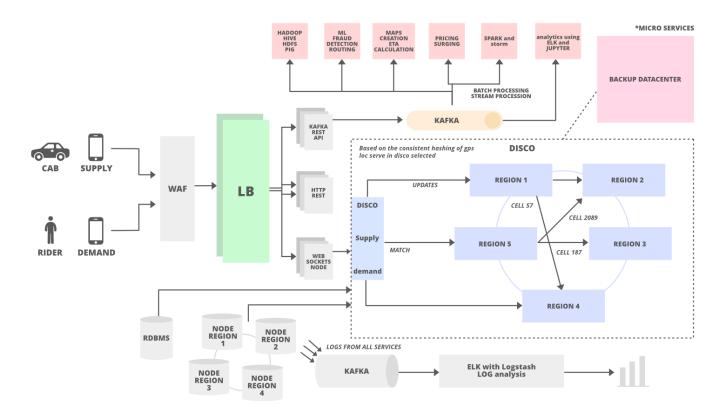
"System Design: Zero to Hero"

Project: Driver Location System in Uber by taking a different number of active drivers.

A1:

UBER DESIGN SYSTEM:

Uber is a user-friendly app for rides. A user can request a ride through the application and within a few minutes, a driver arrives nearby his/her location to take them to their destination. It also offers food delivery & cargo services.



Source: GeeksforGeeks

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Driver Location:



Raiders:

Total Users: 93 MillionRides per Month: 30 Million

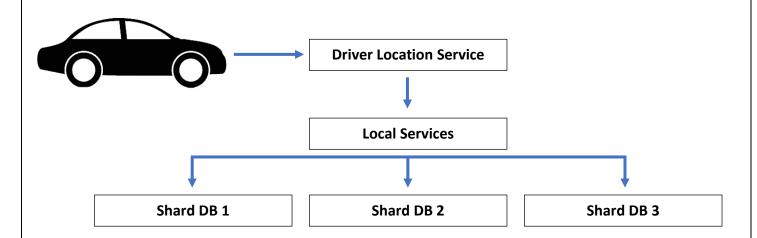
Drivers:

Total Drivers: 3.5 MillionDrive Shift: 12 Hours

DB Sharding:

- Mapping Custom Areas as Shards
- No Uniform Distributions of Data





Raiders:

Total Users: 93 MillionRides per Month: 300 Million

• Active Requests: (300 M)/(30*24*60) = 6944.44 Active Requests/min.

Drivers:

Total Drivers: 3.5 MillionDrive Shift: 12 Hours

• Total 2 Shifts: (3.5 M)/2 = 1.75 Million Active Drivers