

Rastreamento de tempo real de motoristas ou motociclistas

Requisitos não
funcionais

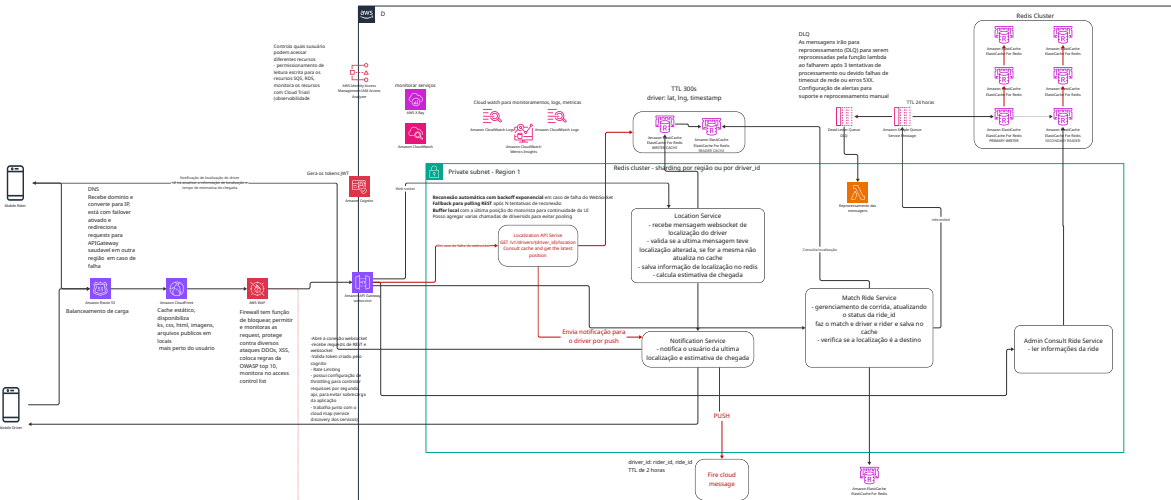
Functional Requirements (FRs)

These define **what the system must do**:

- A driver app sends location updates every few seconds.
- The backend receives and stores those updates.
- The rider app receives real-time location of the driver (polling or WebSocket)
- Location history is available for a limited time (e.g. 24h).
- Admins can retrieve trip location traces for audits.

these define **how well** the system should perform:

- **Latency:** Real-time updates under 300ms.
- **Throughput:** Support 100k+ concurrent driver updates/sec.
- **Storage:** TTL-based data retention (e.g. 24-72h).
- **Scalability:** Must scale during peak hours.
- **Fault tolerance:** No single point of failure.
- **Security:** Location data must be encrypted and authenticated
- **Cost-efficiency:** Avoid over-provisioning.



Fail over em caso de falha do API Gateway
acessa serviços de outra
região pode adotar a estratégia ativo-ativo

