Electric SOL - Local - First SOL

App code talks to lacal database, & data syncs in background.

Systemic solution to state triansfer

Looks like they pely on Electric SOL

Nty local first?

-> Rosilience

-> Instantly reactive

>> Realthour multi-usen

> Conflict - Free offine

Electric Sol is a sync layer between local & cloud DB.

Build Active - Active Data model Sync in background

Apply mignations to Pbn, stoneam to Electic estoneam to users

App Postgas PElectric Strong

Eventual consistency is used

Standard atomic semantics uses Zool to generate type sufe schema for client to use & Phisma ORM FOR TS Built off postgres schema Daveloping Local First > No trusted backed for auth & seconity. - job queve - logical sublication - Materializa -> Realise outh & validation logic into DB rules -> Row based security -> Run auth in the sync souvice -> Scalobility [PG />[Syrk savue] Client

Protobut for senialized data Geonster Notionale a storage -> PG is source of devalably -> Rebuildable cache in sync seguice -> client Nebassambly build of solite can be used with abb. Sync done with CRPT's. Stuped based supplication -> Replicate subset of PG data. Servor side: control auth Client side: Control vaite & conflict gules Consovert overlapping unites Traditional causal consistercy with CRDT's (TCC+) Rich CRDT's & hybrid/mixed consistency.