Frame works Python DJango Rubyl Revils Ruby Java Spring Java Script (TS) Express, Hono, NestJS (Node, Bun, Dino) * Backend's Should rely on declicated Databacs

4 for performance and scalability ** Databases * * System that stores, organizes and manages clota.
 Optimized for speed, security and scalibility. * Types of DB:-1) Relational: · Stores dota in structured tables · Uses SQL (Structured Jury Language) Eg!- MySQL, Postgres Use Cose! -Highly structured dota.
Relationship b/u entities are important 2) Non-Relational (No SQL): · More glexible, unstructured semi-structured obta · Sub-types 4 Document Based - Mongo DB · Stores data in JSON like documents. 4 Key-Value Pairs - Redis · Stores dota in KV poirs · Handling lærge volumes of dota, Real time Analytics. flexible data modles Current flow! -Client Backerol

Dreng Backerol

Puery Response to 3

Something query Databose * * Backend ==> Database * * Backerol can talk with databases using: 1) Raw SQL or NoSQL queries 2) Using ORM (Object Relational Mappers) * ORM :-· Simplifies queries into syntax of owe pro--gramming language of choice for SqL databases For No SQL · Prisma · Mongoose

· Drizzle

· Sequelize

** Common Backend languages ** *