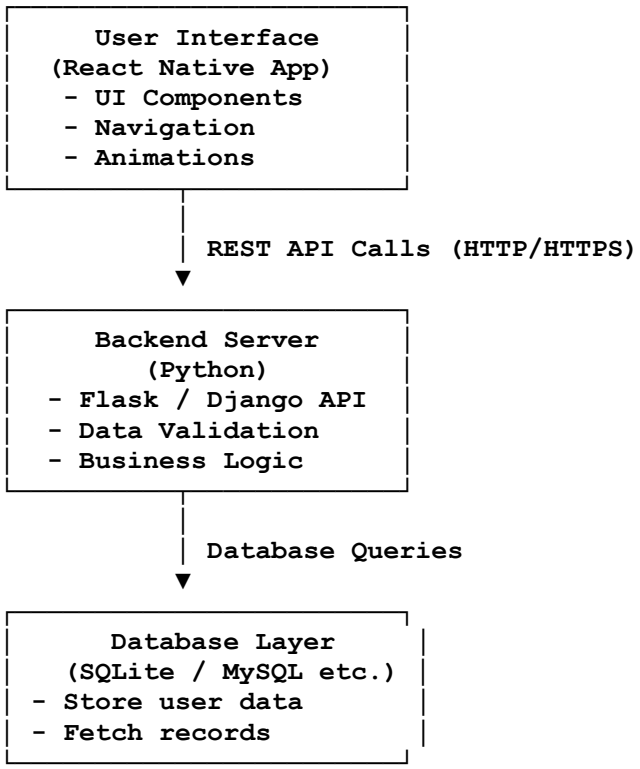
Application Tech Stack

We are developing a **mobile application** that uses:

- **Frontend:** React Native (UI + UX design)
- **Development Environment:** Android Studio (workplace for testing/building)
- **Backend:** Python (for logic, APIs, and database handling)



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1. Frontend Layer

- **Framework:** React Native
- **Purpose:** To design a **cross-platform** mobile app (Android/iOS).
- **Features Used:**

- JSX for UI
- StyleSheet for styling
- React Navigation for screen routing
- Fetch / Axios for API communication

2. Development Environment

- **Tool:** Android Studio
- **Purpose:**
  - To **run**, **test**, and **debug** your React Native application.
  - To manage virtual/emulator devices for app testing.

3. Backend Layer

- **Language:** Python
- **Frameworks (options):**
  - **Flask** – lightweight, perfect for small APIs.
  - **Django** – full-featured, best for scalable apps.
- **Purpose:**
  - Create REST APIs
  - Handle logic, authentication, and database connection

4. Database

- **Options:** SQLite (for local), MySQL or MongoDB (for production)
- **Purpose:** Store user details, app data, logs, etc.