Online Prescription Management Along With QR and Print Features

Features:

1. There will be multiple user end apps for patients, doctors, pharmacies and diagnostic centers.
2. Patient will have options to save their previous prescriptions and if possible previously prescribed medicines will be extracted through OCR method.
3. Doctors will be able to scan a patient's QR code and add new prescription to the patient's profile through doctor's app.

   Doctors will see medicine suggestions and **also conflicts** if there any.

4. Doctor and patient both will be able to print the prescription if needed.
5. The patient will get suggestions of nearby pharmacies where they may find a medicine.
6. The patient will not need to carry any paper prescription for buying medicines as there will be an app for pharmacies and they will be able to scan patient's QR code to view the prescription.

7. Similar to the pharmacy, the app for diagnostic centers will let them scan the patient's QR code and view which tests are prescribed. They will be able to send patient reports through the app as well.

Technical Information:

1. The database will be hosted on a cloud infrastructure for scalability and high availability (i.e. Google Cloud, Amazon AWS, MS Azure etc).
2. The end users apps won't connect to the database directly for security purposes but will connect through API endpoints.
3. WebSockets will be used for chat features.