

All projects – aspects to consider:

- Agile approach with a clear plan.
- Microservices architecture
- Implement a DevOps strategy - setup a CI/CD pipeline
- Security

Health Care Optimization

Context: Appto is a start-up company that has tied up with all major hospitals and clinics across India to provide a one-stop shop for doctor appointments and related modalities.

Project Statement:

Build a system that has a record of hospitals, doctors/specializations, consulting hours, appointments and availability. Design an analytics dashboard designed to analyze the performance of different aspects of the business such as which doctors are the busiest, what are most preferred timings of patients, which specialization has the most demand, slice-dice all these parameters by patient demographics such as gender, age group.

Goal:

The goal is to help appto optimize and expand their network based on demand parameters.

Recommended Approach:

Build a cloud-based corpus of hospitals, doctors/specializations, consulting hours, appointments and availability. Design a cloud-based drill-thru dashboard that helps analyze which doctors are the busiest, what are most preferred timings of patients, which specialization has the most demand, slice-dice all these parameters by patient demographics such as gender, age group.