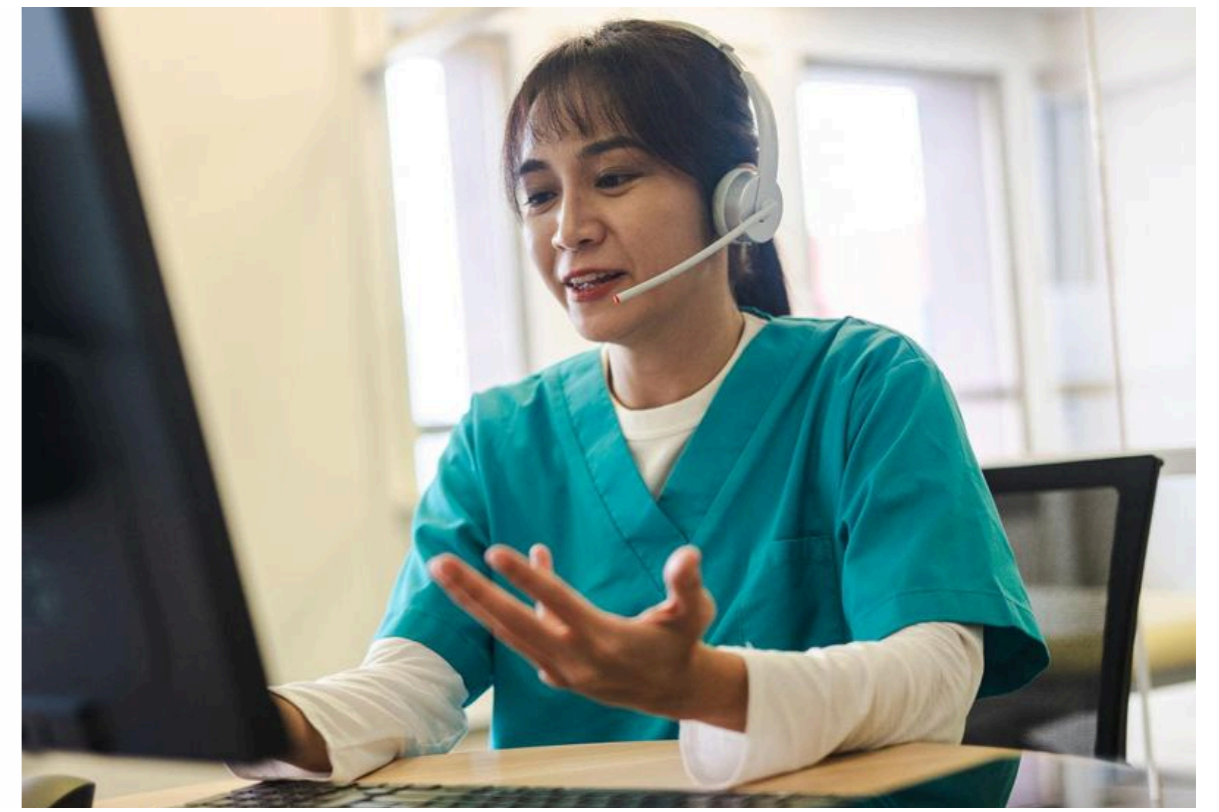


## CASE STUDY

# Telehealth Platform



US based customer was looking for developing a Telehealth solution where remote consultation to patients would be possible. In addition, solution would enable medical practitioners to collaborate with other experts to provide care services. Customer was looking for creating a quicker way for patients to connect with practitioners remotely and easily, where online appointment booking mechanism would be also available for patients

### Solution

- Developed a web-based and iOS platform to connect doctors remotely with patients, where all virtual consultations are recorded.
- Integrated EHRs for patient information and create easy-to-use interface for patients as well as caregivers.

### Product Features

- Developed a web-based and iOS platform to connect doctors remotely with patients
- Created a mechanism to record all virtual consultations for future reference
- Application is designed and certified to be HIPAA compliant
- Integrated several wearables and devices through OEMs by pulling data from cloud
- Integrated OEMs like iHealth, Biotel, Transtek, BodyTrace, SmartMeter, Glooko etc.
- Vitals like blood pressure, weight, glucose and blood oxygen are getting tracked remotely for the patients
- Created flexibility in the platform to connect with any new incoming device for gathering data
- Developed role-based RPM dashboards for multiple user roles
- Created customizable surveys having photos/videos, showing stats for each individual survey
- Developed billing module using CPT codes
- Developed activity tracking for maintaining time spent by care team members for all patients

### Key Technical Achievements

- Developed complex dashboard with live data and statistics which help care team members daily
- Monthly billing generation for all billable patients
- Call scrutiny and detecting invalid calls.
- Fast patient onboarding via survey and consent form upload features.
- Managing large surveys with live users up to 20k

### Technology Used

- Node JS, React JS, WebRTC, Objective C, Stitching server – Python, MySQL
- AWS Services - EC2 Servers, Lambda, Chime Service, S3, SNS, SES, RDS, Textract