

Rx Telecare Builds Video Conference Platform with Axiom's Team

Introduction

Rx Telecare is a US telemedicine platform that allows physicians to connect with their patients for routine follow-up appointments over secure video conferences.

Axiom's team helped in developing a full-fledged platform by building the HIPAA-compliant application that makes the doctor-patient journey simpler and secure.

Customer Requirements

Engineering Team

Rx Telecare approached Axiom's tech team to implement video conferencing that puts patients and doctors face to face even in areas with low bandwidth and poor infrastructure.

Cloud Native Application & Preference

A cloud native application to be built to track the Tele EMR records of each patient's journey with doctor and patient layouts.

The Solution

Axiom's app development team created a HIPAA-compliant application that helps patients book appointments and make conference calls with their physicians through an encrypted peer-to-peer video connection.

Axiom started the engagement with an assessment phase and developed a compliant platform to protect patient confidentiality.



About Rx Telecare

Rx Telecare is a US-based company with more than 50 employees that aims at providing a complete virtual clinic software that focuses on fulfilling the unique needs and challenges faced by government hospitals, nonprofit NGOs, and other clinics and organizations who struggle to serve patients in rural and poverty-stricken areas.

Why Axiom?

Axiom, an AWS Advanced Consulting Partner, has a decade of experience in implementing, scaling and maintaining cloud native applications.

With 6+ years of expertise in cloud native development, the company has skilled engineers who are adept at building highly scalable apps that can be seamlessly deployed, adapted, or upgraded.

The tech stack used to build the platform includes:

- Angular JS
- HTML
- CSS Node JS
- PostgreSQL
- WebRTC protocol
- Vidyo API integration

AWS services used:

- AWS S3 EC2 SNS
- GitLab

Implementation details:

- The development of the platform was completed within a span of 12 months.
- 1 dedicated Project Manager, 5 Full Stack development resources and 2 Quality Analysts were provided by Axiom.
- The team also had 2 sync up calls per week with the client.

Results and Benefits

- The application assures good video quality even on poor network areas/conditions.
- It supports multitenancy infrastructure with minimum customization.
- It encourages the concept of shared rooms, wherein the patients can easily access a group of doctors without having to wait for an appointment.
- The exclusive Nurse login privilege enables quick follow up sessions of the patients diagnosed with a notification, undertaken by the nurses.
- It offers an independent and flexible platform that can be applied for any hospital or branch of hospitals.
- It is a responsive web-based application that requires no additional downloads and can work seamlessly on both mobile and browser.

Future Scope:

The HIPAA-compliant application can be integrated with pharmacies and laboratories as well for further expansion.