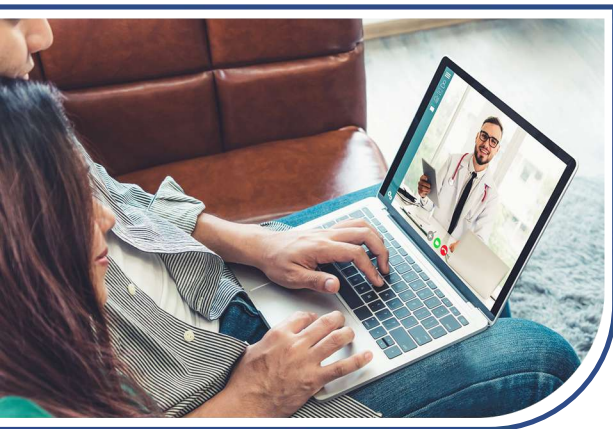# Telehealth Capabilities

The demand for telehealth is increasing by 64.3% in the U.S. in 2020 as the COVID-19 pandemic disrupts the practice of medicine and the delivery of healthcare. The telehealth market in the United States is estimated to display staggering seven-fold growth by 2025, resulting in a five-year compound annual growth rate (CAGR) of 38.2%.

We have expertise in engineering telehealth platforms to fit your organizations immediate and long-terms technology goals. Our mission is to help you scale and gear up to stay one step ahead from the rest and emerge as winners in the customised telehealth platform. Our solutions create a seamless telehealth experience for both provider and patient and can work within the existing technology ecosystem of your company.

Experience

BigR.io is an integral partner with leading US- based Telehealth and Healthcare companies with the development, testing and maintenance under high quality standards of their web and highly responsive mobile software platform. Apart from the technical know-how our in- house team has seasoned experts with decades of experience individually, in the field of healthcare data and technology. This team can advise, design and develop first class solutions.

Our innovative solutions offer multi -dimensional platforms that integrate various specialties across Data strategy and roadmaps, Big Data Engineering, Data Science, Artificial Intelligence, Machine Learning and Cloud Computing. We have expertise in the software development and QA Automation of telehealth applications, integration with EMR/EHR systems, video platforms, Smart Apps on FHIR, mobile apps, APIs, SDKs, Cloud platforms (AWS, GCP and MS Azure) CICD and DevOps.

Some of our project engagements include:

► Application modernization of a Monolithic application to a distributed Micro-Services architecture.

► Implementation of SMART on FHIR and HL7 integrations between Electronic Health Record (EHR) providers and Telehealth platforms.

► Mobile Applications listed in the respective EMR systems app stores.

► Oauth2 and SAML based authentication schemes for Telehealth resource access and sharing.

► Used responsive Single Page Applications (SPA) technologies to provide performant and seamless Telehealth user experience for Patients and Physicians.

► Implementation of TCP and UDP based WebRTC Video and IVR Telehealth solutions connecting Patients, Physicians and Staff.

► Mobile Applications Automation testing frameworks with Device Farm for testing a variety of devices and operating systems (Apple iOS and Android).

► Cloud Engineering with AWS, GCP and MS Azure.

While following the Agile Scrum methodology we provide professional services including:

► Agile POD teams and Squads

► Program and Product Management

► Healthcare IT Subject Matter Experts

► Certified Scrum Masters

► Business Analysts

► Software Developers and QA/SDETs

► UI/UX experts

We have robust, high performing integration pipelines with well-known EMR/EHR providers like Epic and Cerner, online Pharmacy like Pillpack and Lab providers such as Quest Diagnostics.

These engineering and data services are increasingly becoming critical and important, as companies are evaluating their strategy to ensure processes which will deliver better patient and provider experience.