CitiusTech | Case Study

HEALTHCARE
LIMITLESS

ZFP Viewer for Leading Imaging Vendor

Our vision is to inspire new possibilities for the health ecosystem with technology and human ingenuity. At CitiusTech, we constantly strive to solve the industry's greatest challenges with technology, creativity, and agility. Together with the world's leading Healthcare and Lifesciences organizations and our partners, we aim to accelerate the transition to a human-first, sustainable, and digital healthcare ecosystem.
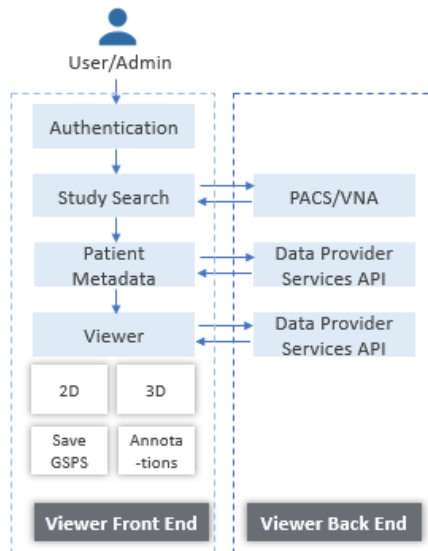
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Client Requirements

- Client is a leading healthcare medical device and imaging solutions vendor and wanted to build a web based, multi-modality viewer that can be accessed from desktop and mobile devices

- CitiusTech was chosen as the preferred partner for this innovative engagement given its expertise in medical imaging and proven record of successful engagements with the client

- CitiusTech worked on various features in terms of development., enhancements, testing, maintenance support over the course of the engagement

Solution Schematic

CitiusTech Solution

- Built a responsive UI with standard 2D viewer features including hanging protocol support & presentation state

- Enabled support for 3D rendering (MIP/MPR) and customized views and rendering of non-DICOM documents

- Provided support for exporting DICOM images and Sharing of DICOM data to external archives

- Developed a reporting functionality which supports voice to text reporting

- Application also supports customizations for patient or study based view

- Enabled support for VNA integration

- Support for a patient timeline to display studies chronologically

Value Delivered:

- Enabled Image rendering of the study is done in <3 seconds as KPI

- Viewer helped save up-to 19% of radiologist's time by rendering faster images

- Enhanced the workflow through 32% reduction in duplicated tests with anytime access to data

- Image rendering using cloud solution made clinicians to access the images faster and simpler