A photograph of a doctor in a white lab coat and blue stethoscope, sitting at a desk. The doctor is holding a silver pen and writing on a clipboard. A laptop is open on the desk to the right. The image is framed by a large, semi-circular graphic with overlapping dark blue, red, and grey bands.

Integration of HL7 based
messaging system with an EMR

Case Study

| Healthcare Interface Engine

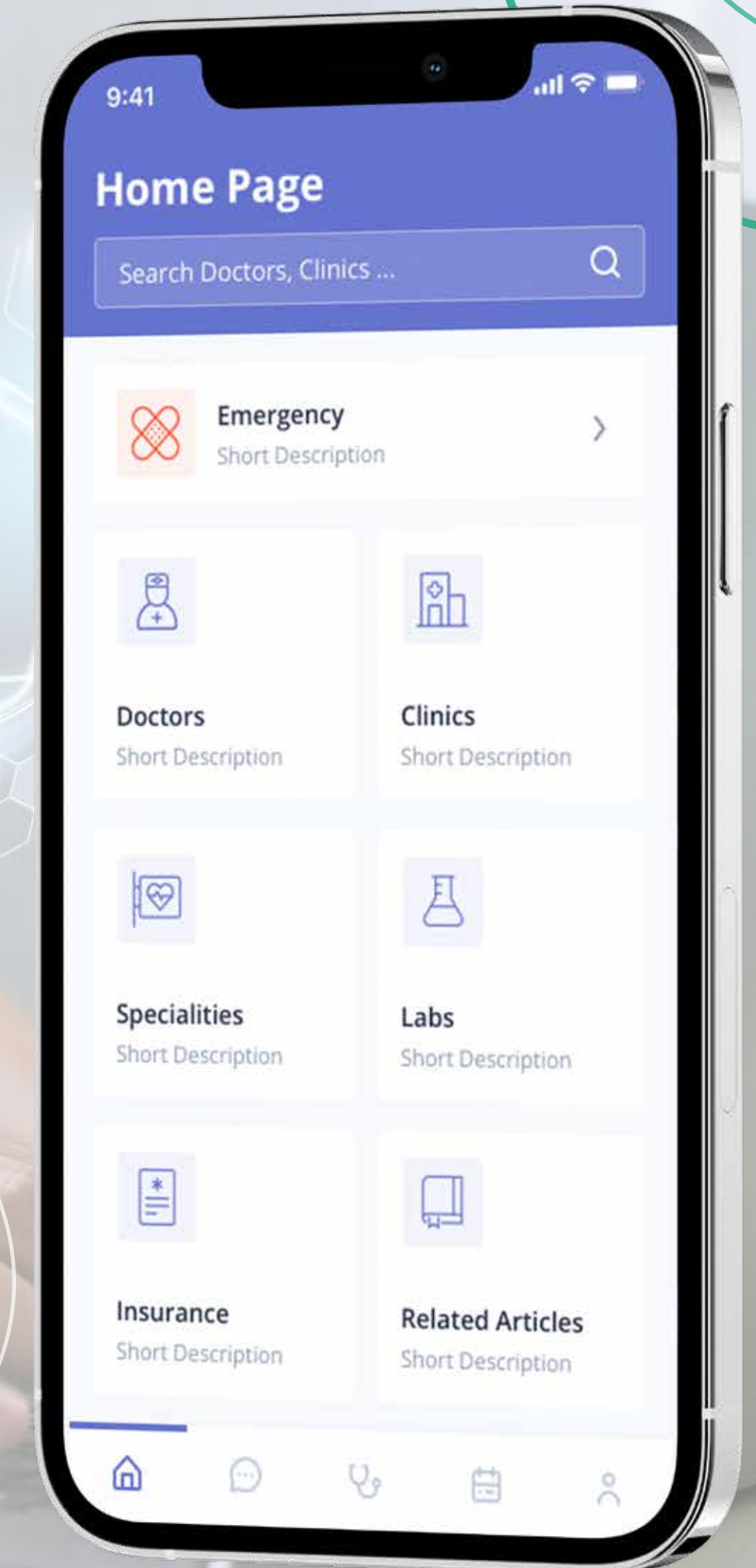
Integration of HL7 based messaging system with an EMR

Client :

A US-Based healthcare Startup

Challenges :

To sync patient data from a system supporting HL7 to another system supporting proprietary methods or vice versa in automated way. Which can reduce the hassle of staff to manually import data from one system, understand, re-arrange and upload to another.



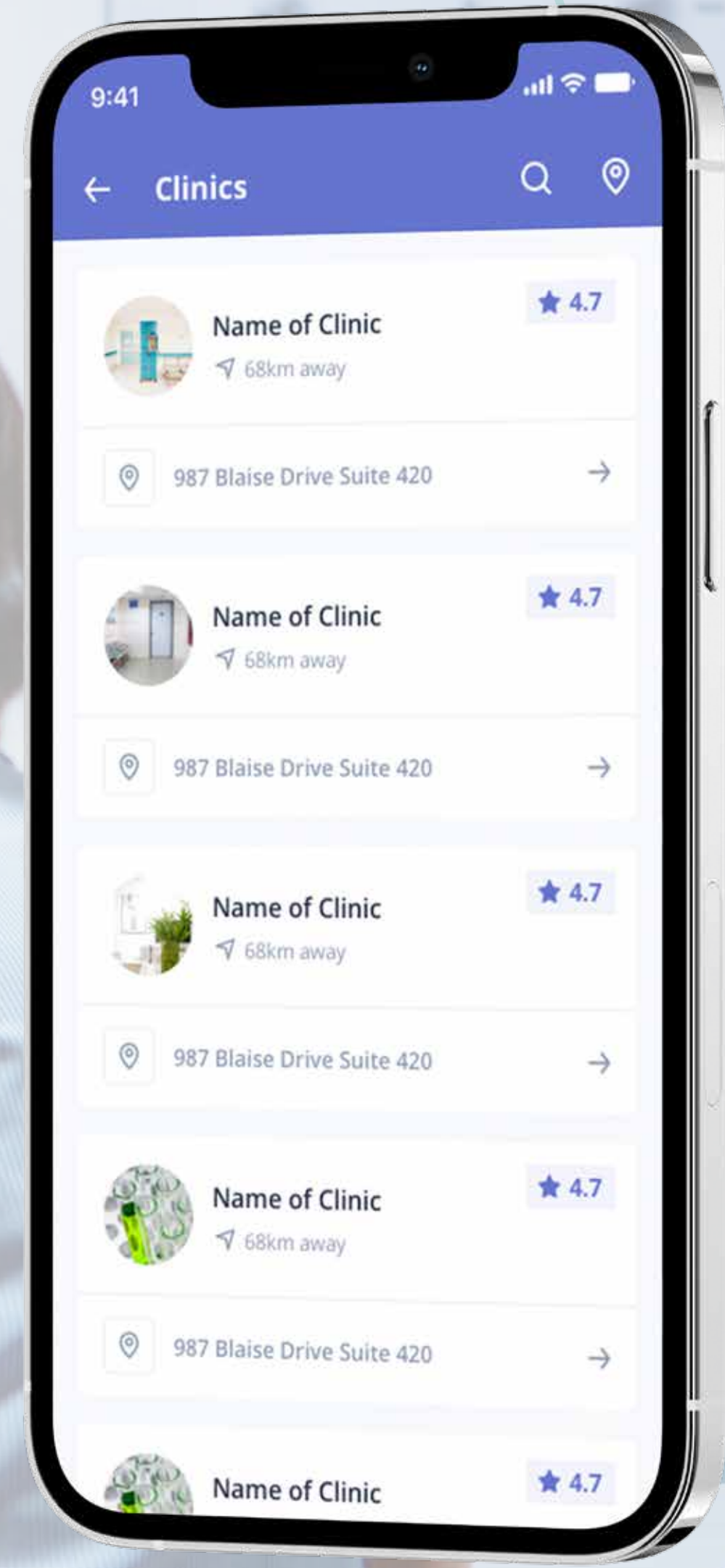
Case Study

| Healthcare Interface Engine

Solutions

Overview

A SaaS based enterprise Application “Healthcare Integration Engine” deals in processing HL7 message from hospital information system (HIS) and uploading it into Practice management system (like Advanced MD) by automatic API call as per clinics configuration. This automated integration for patient record, visit record, billing record, handling procedural codes CPT, handling diagnosis codes ICD helps hospitals/ clinics to improve overall process and get better ROI (return on investment)



Case Study

| Healthcare Interface Engine

Features

- Process HL7 messages in multithreading way.
- Retrieve Patients demographic data, Insurance and Visit data.
- Parse HL7 data and convert into pre-defined JSON format.
- Automizing call to AdvancedMD APIs and upload data in realtime.

Benefits

Automates the process by processing the HL7 messages in real time and sending data to AdvancedMD. It reduces the Manual Work completely.

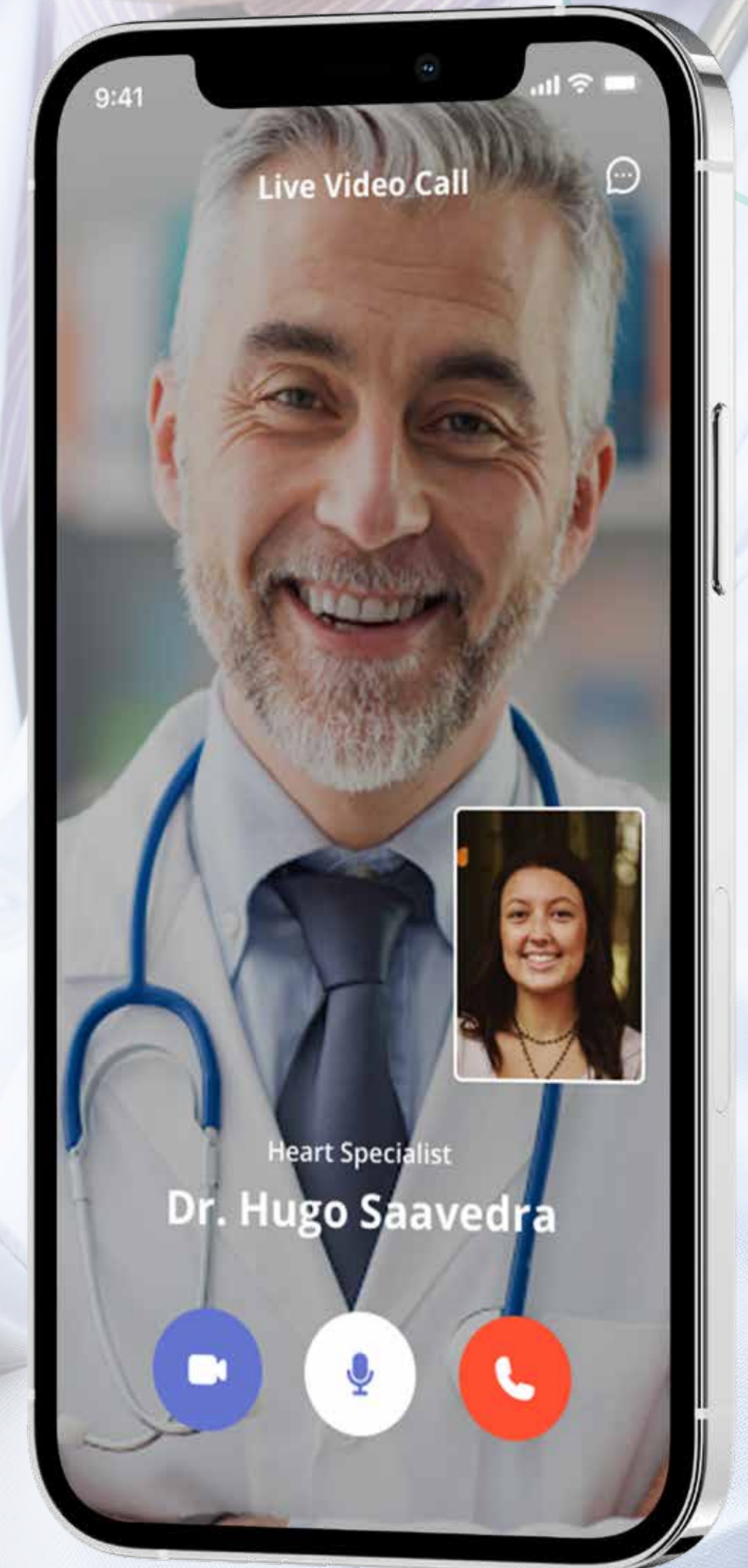
Tech stack

JAVA, SPRING BOOT, HIBERNATE, JPA, RESTFUL WEB SERVICE INTEGRATION, HIPAA COMPLIANT APPLICATION



JPA
Java Persistence API

{ REST }




A close-up photograph of two hands shaking in a firm grip, symbolizing a business deal or agreement. The hands are wearing white dress shirts and dark suit jackets. The background is blurred, showing what appears to be a meeting or office setting.

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