



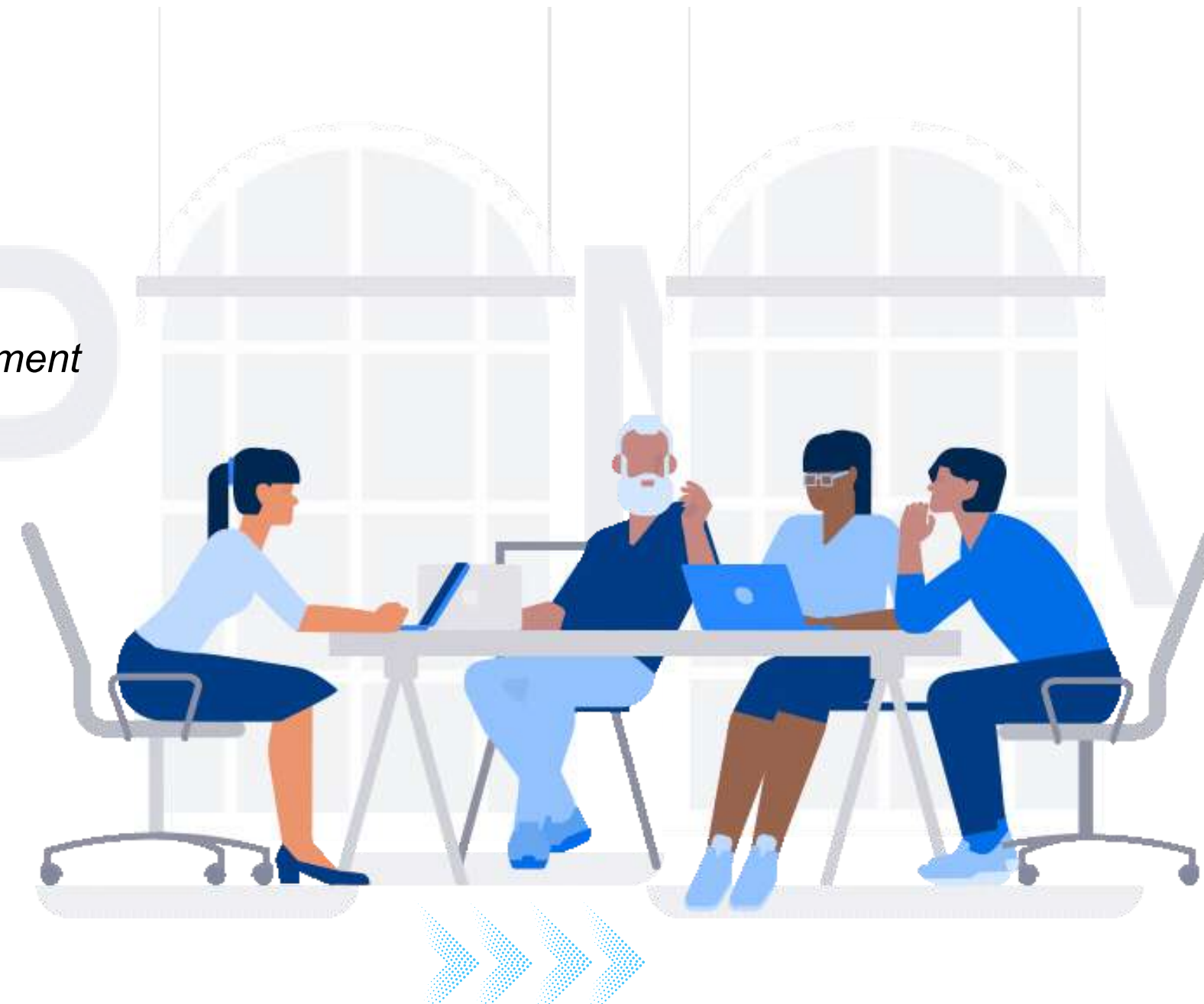
## *Healthcare Expertise*

*Advancing Healthcare Through Smart Technologies*



## About Us

- *Our team comprises seasoned professionals with extensive experience in healthcare technology and domain knowledge.*
- *We prioritize data security and compliance with industry regulations such as HIPAA (Health Insurance Portability and Accountability Act).*
- *We believe in fostering collaborative partnerships with our clients.*
- *Innovation is at the heart of what we do. We invest in ongoing research and development initiatives to stay ahead of emerging trends and technologies in healthcare.*
- *Our customer-centric approach ensures that the needs and preferences of our clients and end-users are at the forefront of everything we do.*
- *Over the years, we have built a solid reputation for delivering successful healthcare technology solutions to clients worldwide.*
- *Full Life Cycle Capabilities – Concept, Hardware, Firmware, UI/UX, Development, Multi-Device QA.*



## Our Design and Development Ideology

- **We focus on full infrastructure design** and development and/or integration into an existing ecosystem.
- We aim to deliver a product that is both state-of-the-art as well as meets the **highest standards in the industry.**
- **High emphasis on close interaction** with the client and time-to-time demonstration upon achievement of milestones.
- **Iterative Development process** with shorter sprints to bring out the best in what we do.





# *Case Studies*

*Problem Analysis and the Proposed/Accepted Solutions*

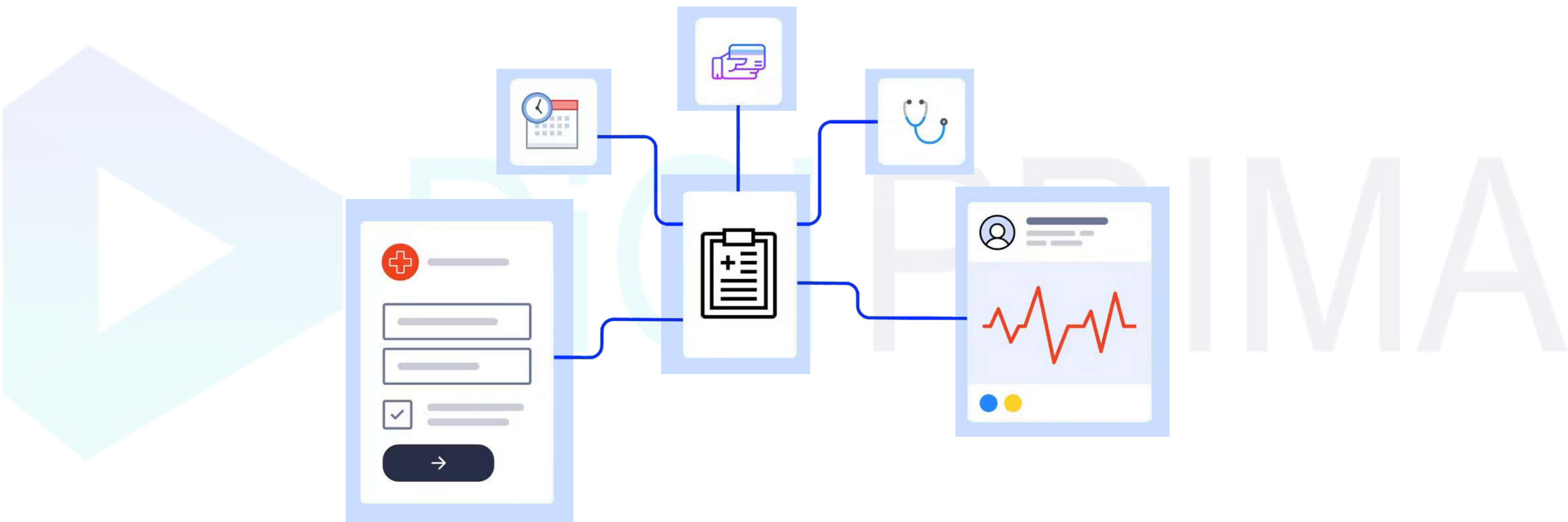


## Field Expertise

- Extensive expertise in medical imaging and diagnostic technologies, including radiology, ultrasound, MRI, CT scans, and pathology.
- We develop IoT-enabled healthcare solutions that leverage connected devices and sensors to monitor patient vital signs, track medication adherence, manage chronic conditions, and enable remote patient monitoring and telehealth services.
- Cloud-based solutions for healthcare organizations, including data storage, backup, disaster recovery, and hosting services



# Industry Leading Tech Stack that Pillars our Healthcare Solutions



# Wristwatches Health Monitoring System Using IoT

## Problem Statement

- Develop a comprehensive real-time health monitoring system.
- Client seeks a reliable, complex, and comfortable solution catering to hospitals, medical care providers
- Require a trustworthy partner with experience in healthcare app development.
- Monitor patients' health status remotely 24/7.
- Solution must offer accurate patient health status assessment

## Solution

**PPG sensors** embedded in wearable devices for data transmission

Custom **wearable devices** take samples hundreds of times per second

Patients can view **recorded data** and receive valuable insights

**Ability to set norms for specific health indicators based on doctor's recommendations**

Alarm alerts and **medication reminders** can be set and managed easily

## Product



Blood Pressure



ECG



Pulse Rate



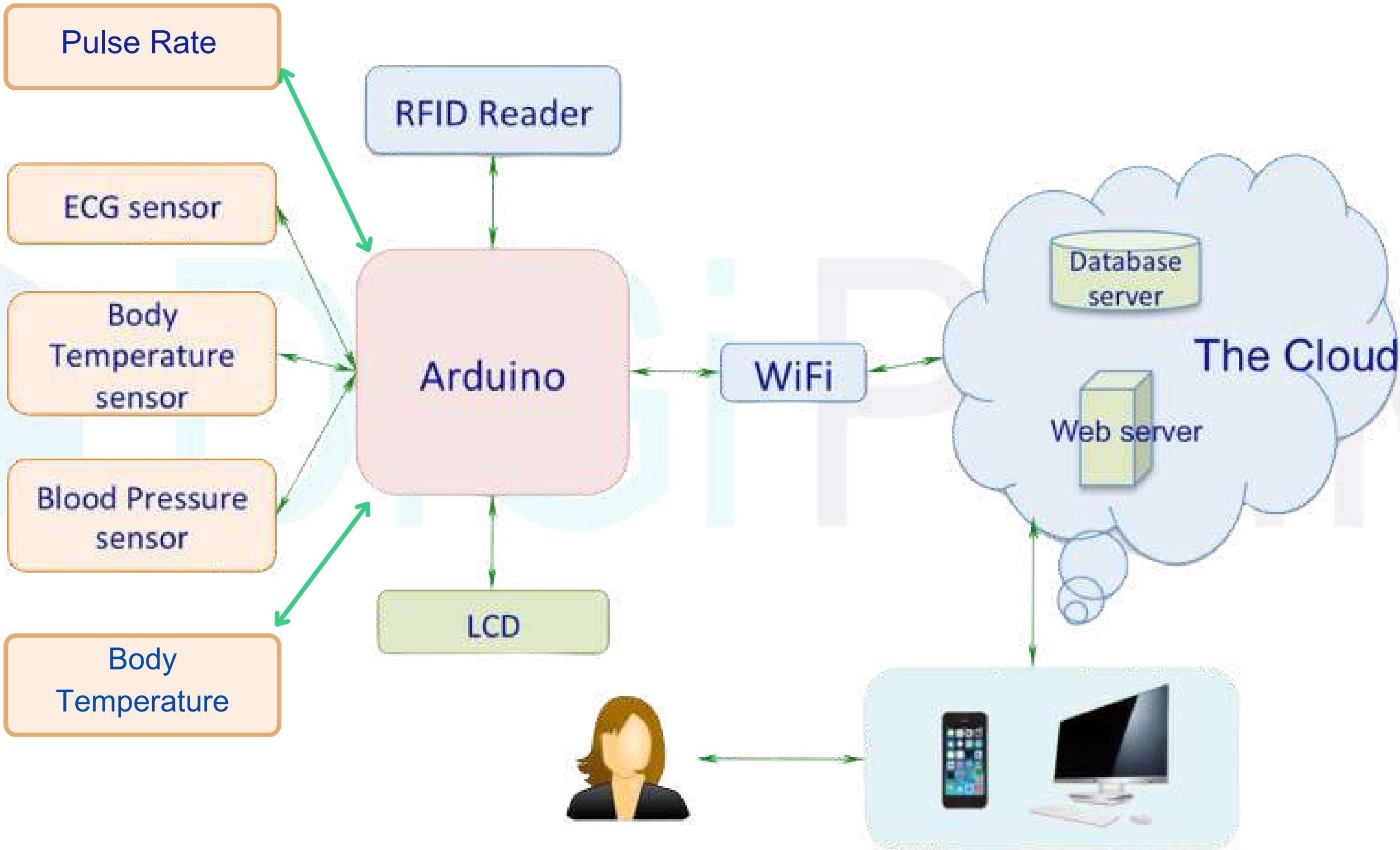
Blood Oxygen Saturation



Body Temperature



# Health Monitoring System - System Architecture





## **Problem Statement**

- Develop a patient portal fully integrated with the **EHR system**
- Implement features for patients to review and update their **demographics, insurance information, and health histories** remotely.
- Enable eligibility verification and insurance eligibility verification services, as well as **prior authorization services**.
- Implement an **electronic prescription** refill request feature to automate medication refill processes and save administrative staff time.

## **Solution**

Ensure full compliance with **HIPAA regulations** and support Electronic Prescribing

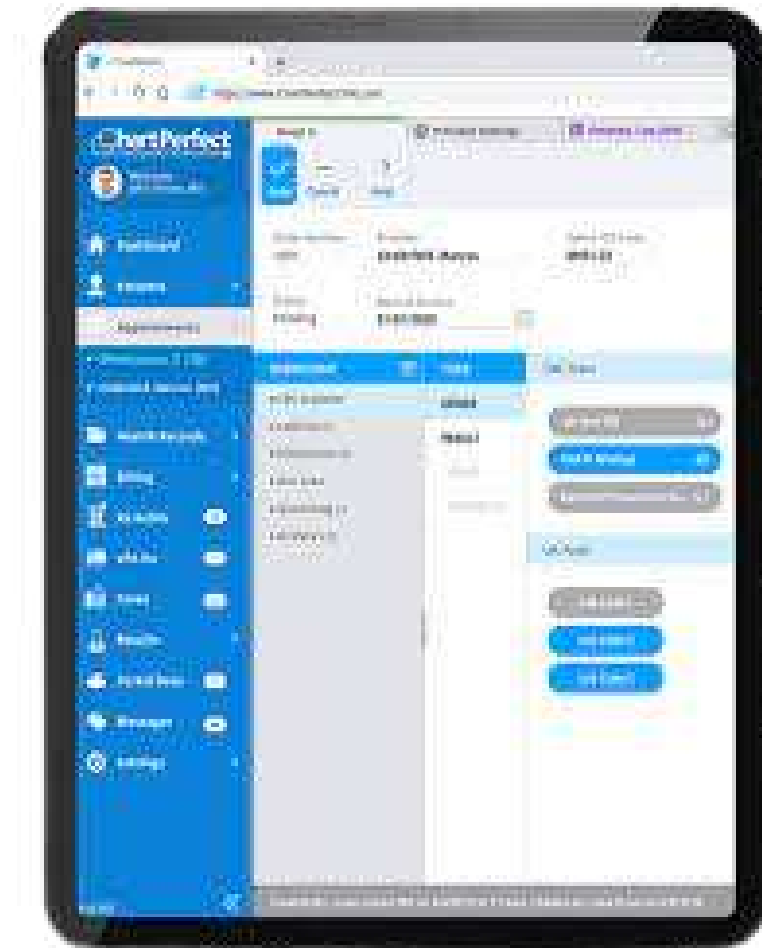
Implement a HIPAA-compliant **secure messaging platform**

Set up a robust backend infrastructure using the **.NET framework**

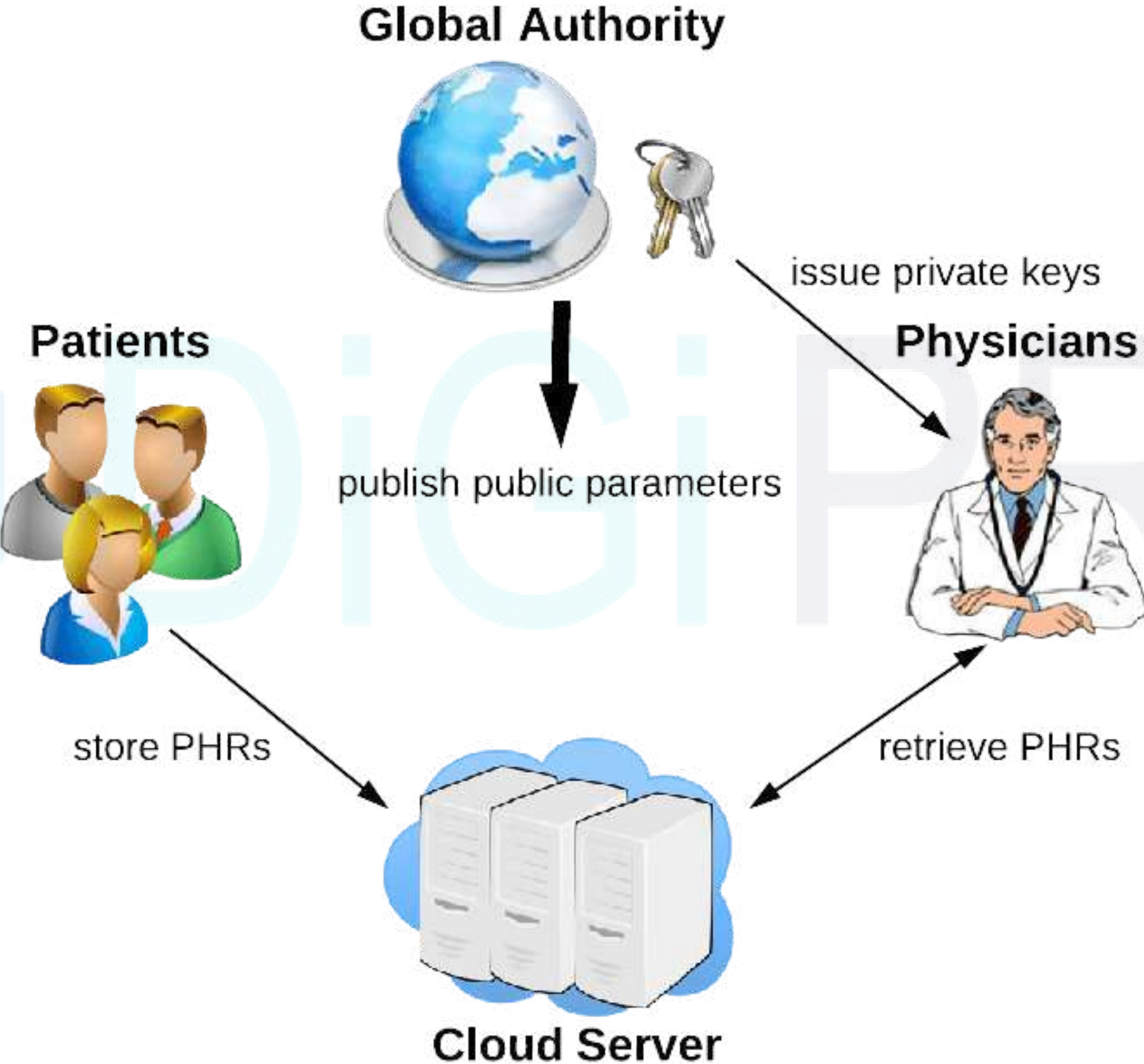
Utilize third-party libraries such as **Tabulator and Golden Layout**

Implement **AJAX API** features for data retrieval and storage.

## **Product**



# ChartPerfect - System Architecture



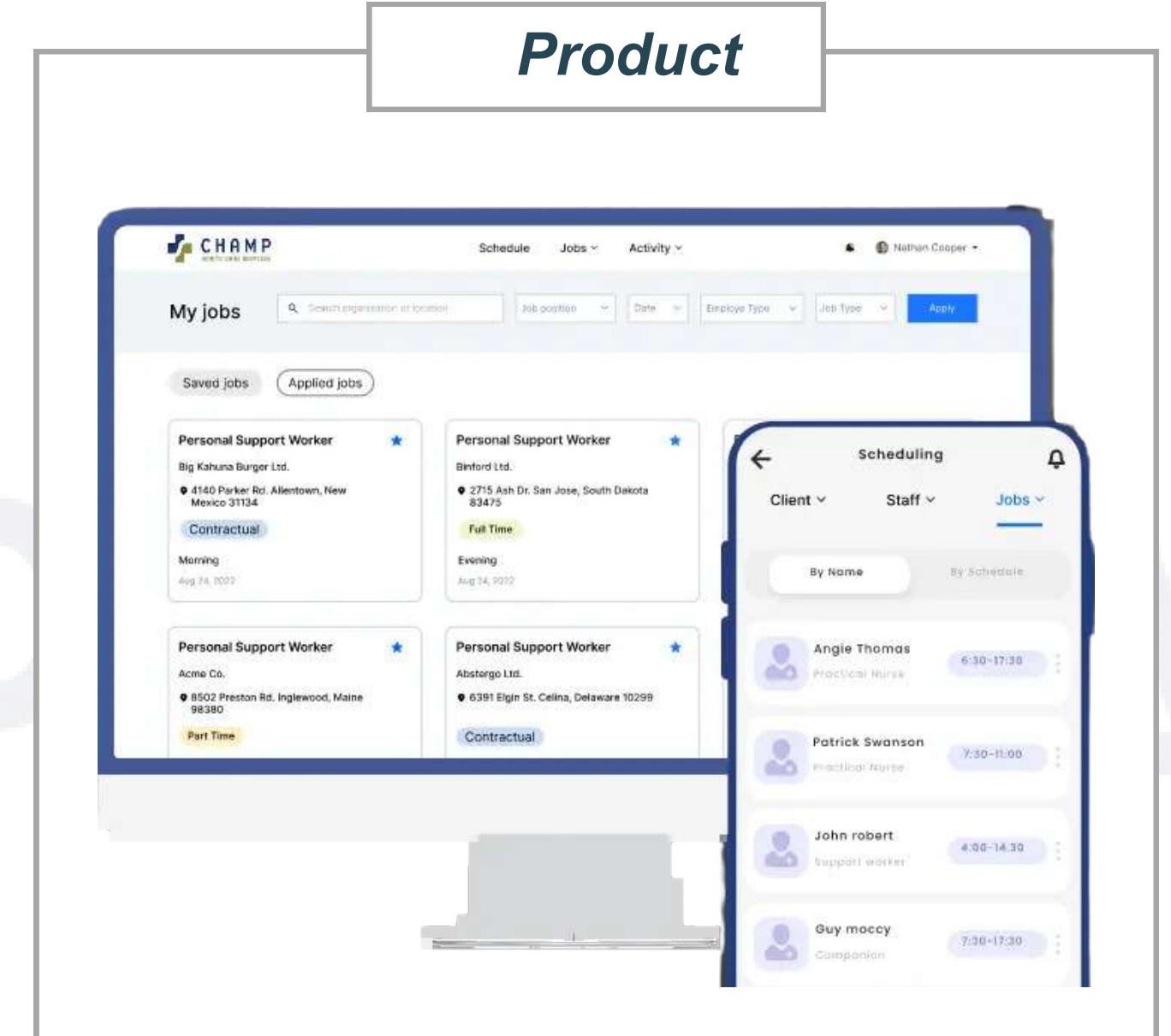
## Problem Statement

- **ChampHealth** relies on spreadsheets for their medical staffing agency operations
- **Spreadsheets** are unable to meet the demand for quickly filling open positions.
- Existing **staffing agency software** options are expensive and do not align
- Need a more efficient and adaptable solution to streamline medical staffing agency operations

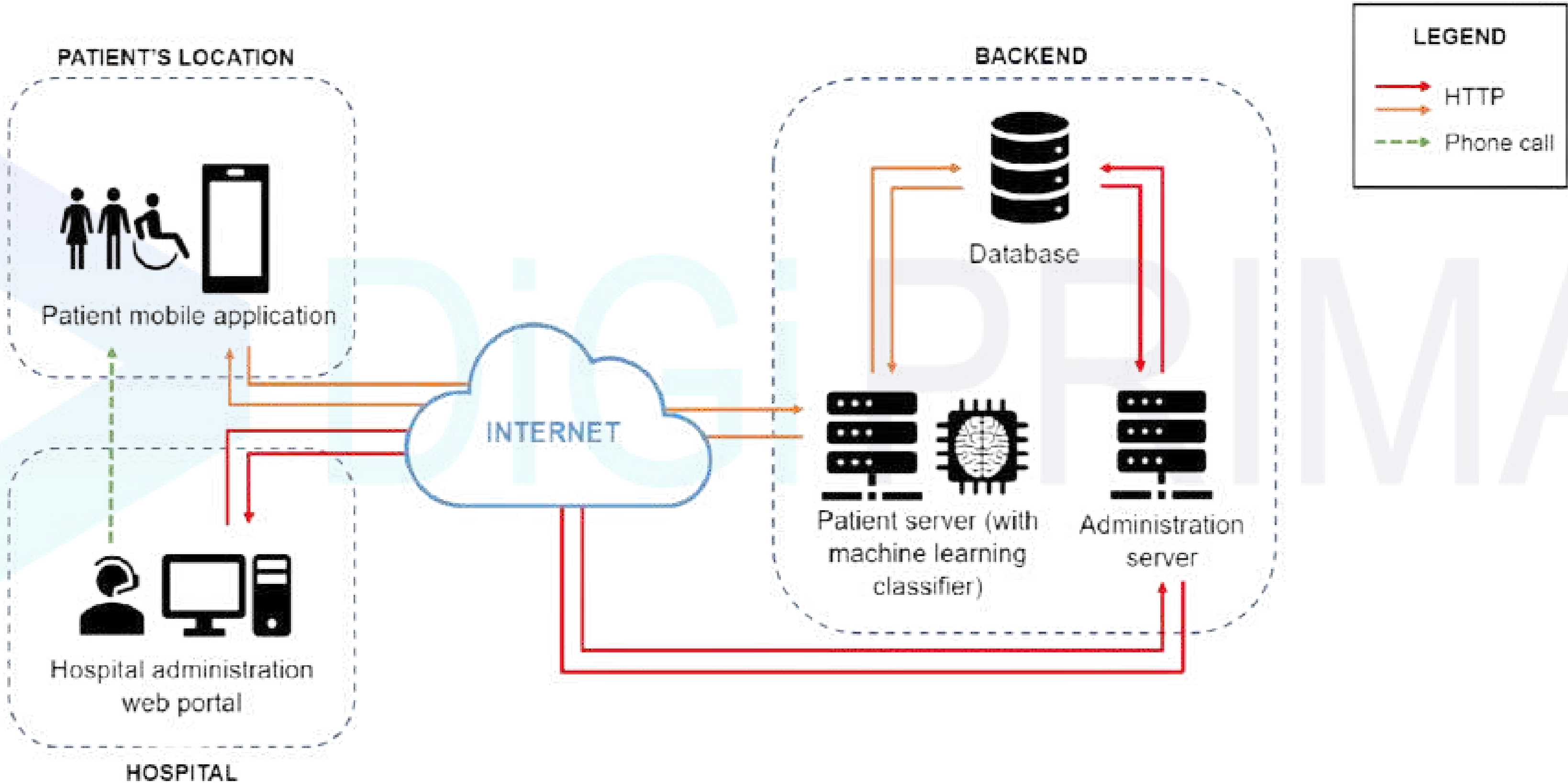
## Solution

- Ensure the new software solution offers **flexibility and scalability**
- Continuously iterate and improve the **software solution**
- Incorporate tools for quickly filling open positions, facilitating **fast communication**
- Provide comprehensive **support and training** resources to ensure a smooth transition
- Develop a customized **medical staffing software solution** tailored

## Product



# ChampHealth - System Architecture



# Resideo Remote Patient Monitoring Solution

## Problem Statement

- Limited access to real-time patient data inhibits **timely interventions and proactive healthcare** management.
- Traditional healthcare models struggle to **monitor patients remotely**, leading to gaps in care
- Remote Patient Monitoring solutions are fragmented and lack integration, resulting in **inefficiencies and data silos**.
- Clinicians face challenges in **tracking patient progress** and adherence to treatment plans outside of clinical settings.

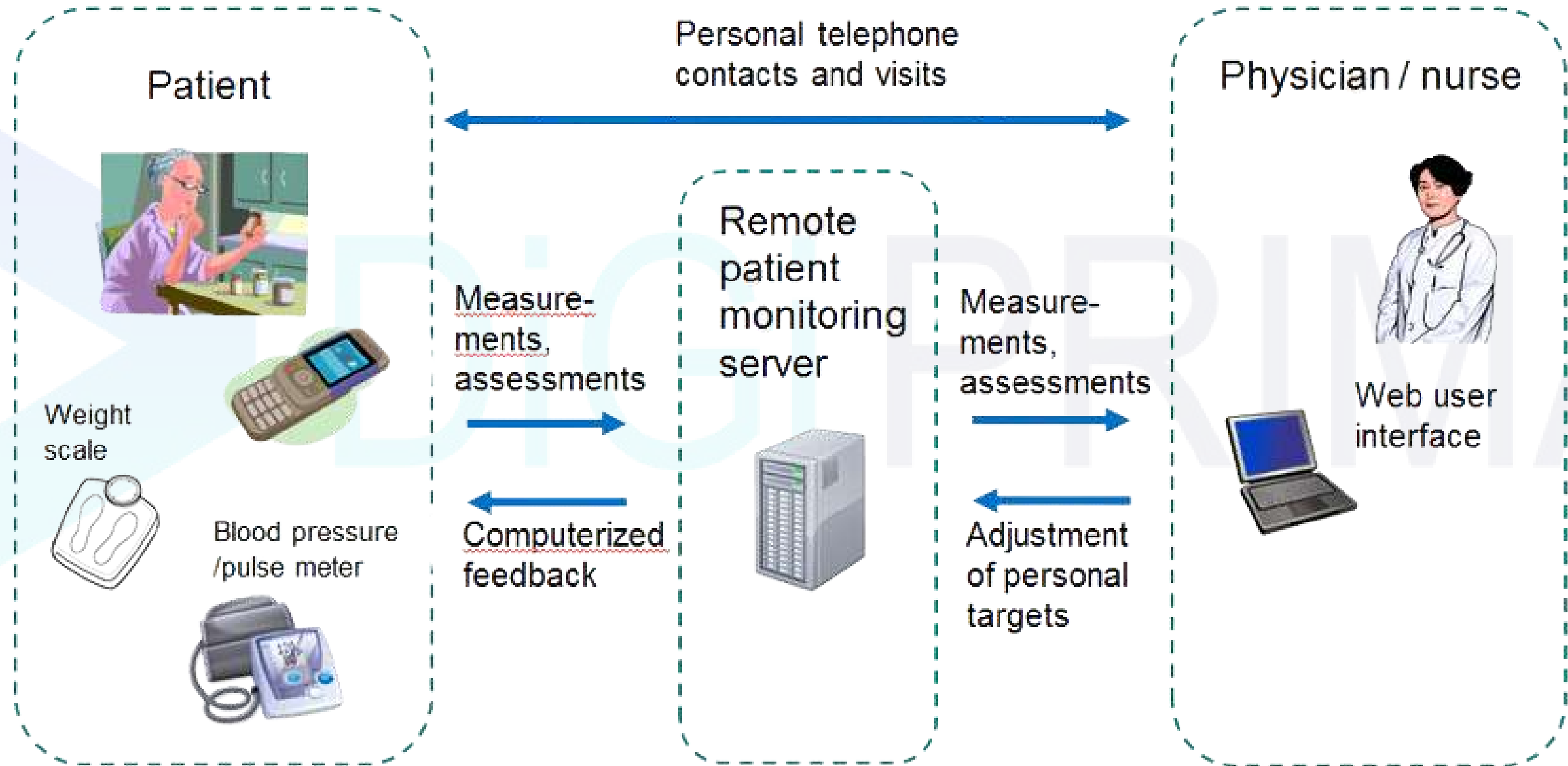
## Solution

- Real-time tracking of vital signs for **Remote Patient Monitoring**.
- Integration with **healthcare systems** for seamless data communication.
- User-friendly mobile apps and **wearable devices** for continuous monitoring.
- Personalized alerts for timely **interventions and proactive management**.
- **Remote consultation and telemedicine services** for enhanced access to care.

## Product



# Resideo - System Architecture



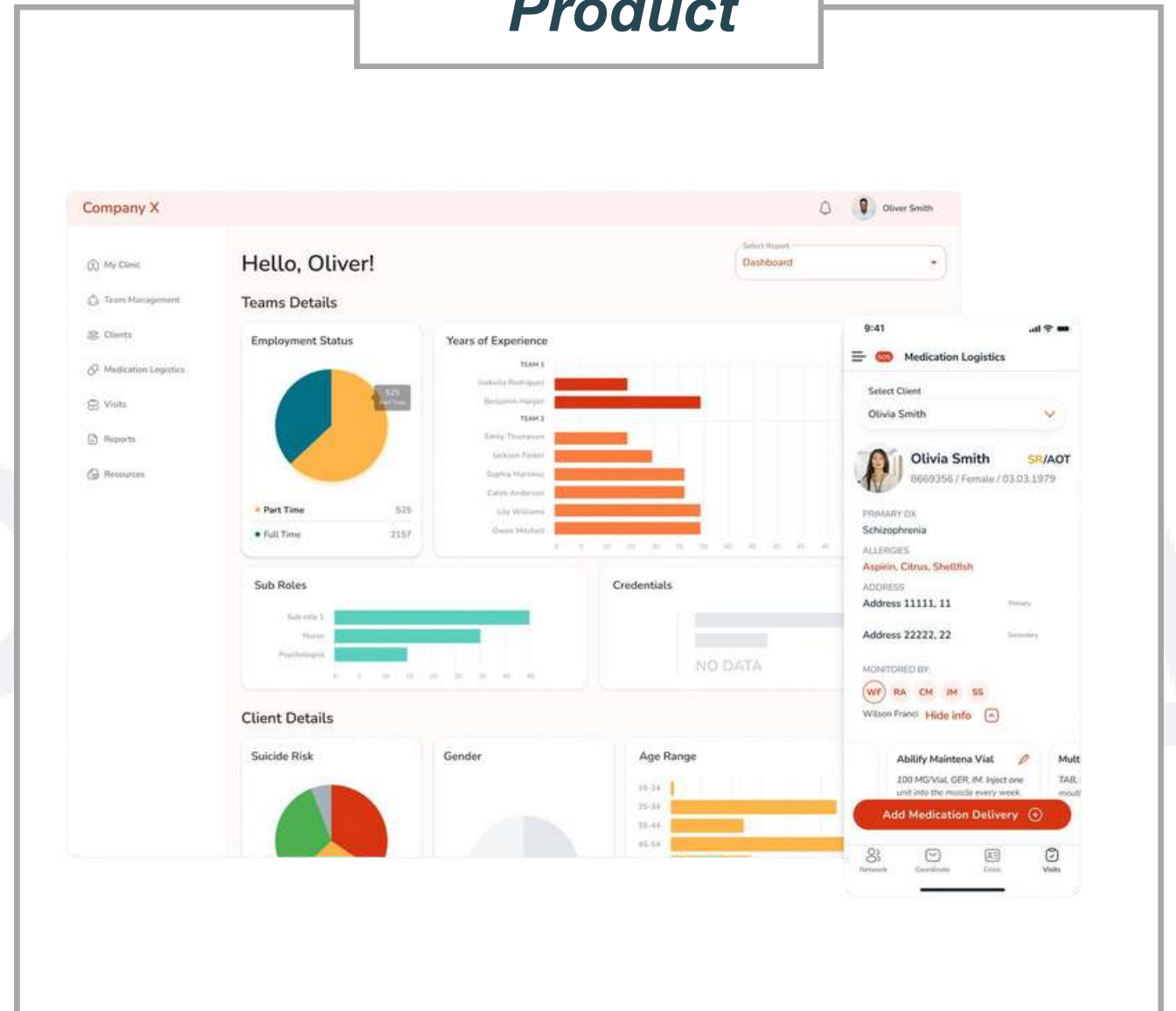
## Problem Statement

- Lack of secure platforms for **confidential communication** between mental health providers and patients.
- Vulnerability to data breaches and unauthorized access to **sensitive patient information**.
- Absence of standardized protocols for ensuring **HIPAA compliance** in digital mental health solutions.
- Challenges in protecting electronic health records from **cybersecurity threats** and privacy breaches.

## Solution

- Secure teletherapy platforms for **confidential patient-provider communication**.
- Encrypted messaging systems ensure **patient data privacy** and confidentiality.
- User authentication protocols to safeguard access to sensitive **mental health information**.
- **Data encryption techniques** to protect electronic health records from unauthorized access.

## Product



# ClinicSource- System Architecture





# *Thankyou*

**We Look Forward To Working With You**



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