IoMT (Wearables) Integration & Physiology Monitoring

3+ | Years of relationship

Business Problems

- Client is a leading European wearable physiology monitoring company seeking to build a platform that monitors patients' real-time vital signs.

- Real-time monitoring supports personalized, remote patient care.

- Support clinicians in monitoring real-time vital signs and symptoms, enabling early intervention and improved outcomes.

- Integrate solutions that can connect various hardware, adding value through data analytics solutions.

Solutions & Value Delivered

- CitiusTech contributed to architecture, design and development of platform components, keeping performance and data volume in mind.

- Created Power BI reports and alerts for offline patient health monitoring.

- Developed a scalable using expertise in healthcare and cloud technologies.

- Designed and implemented a data pipeline and APIs for user and device management.

- Created a data ingestion pipeline using IoT to stream data like signals, sensors, batteries, etc. from device over MQTT protocol to cloud store.

- Implemented access management endpoints.

- Future phases include creating a real-time display of health data graphs on portals and analytics.

Cloud-hosted, real-time device *for data streaming and processing platform*

IoT and sensors, *streaming data ingestion, analytics and visualization*

Power BI *reports and alerts*

100% *Real-time vital signs monitoring*

Powering the Future of Healthcare ▶

CitiusTech