



Where software concepts come alive™

Business Domain

Healthcare and Life Sciences

Project Type

Mobile application

Diabetes & Glucose Monitoring Became Available for Everyone as a New Feature in a Mobile Application

Client

In 2007, the Client's company founders realized that sensors and wireless technology had advanced significantly. The new wearable product could bring unique experiences to the fitness and health industry and to change the way people move.

Project

Adding a new module in a mobile application to log, import, store, display, and analyze the glucose level in blood and other related metrics measurement data in the Client's platform. The app should be a foundation for more healthcare metrics to come.

Objective

Adding new healthcare functionality for glucose tracking and logging to the existing Client's platform. The Client expected that the solution would expand the target audience and bring more users to the platform.

Team Reinforcement

The Client has a lot of internal resources and a big R&D team. The demand was too high and the Client decided to empower their team in mobile apps development by Intetics Offshore Dedicated Team® (ODT). The main request was to provide full stack team including mobile and backend (Java) developers, SDET and PM capable to deliver the results quickly and create outstanding native applications.

Challenge

The glucose monitoring system empowers users to live a healthy and active life. The Client's products seamlessly fit into the users' daily activities and supported them in achieving their fitness and healthcare goals, whatever they might be.

The project concept and prototype have been designed since 2018, but it was hard to find a dedicated team in the house to start. The Client decided to request Intetics' services.

Due to the huge backlog and constant urgent activities, the Client was not able to allocate their team to carry out the project. Only with the help of ODT have the plans that were constantly postponed been implemented.

The Client's ecosystem architecture is very complex, including 50+ different micro-services with deep integration and dependencies. Many custom solutions and approaches had to be learned in a short time, which required a high level of team skills.

Quick Facts

- ✓ 2 years of continuous cooperation
- ✓ A tech part was very essential for the new feature in the existing mobile app implementation
- ✓ Quality service for the app user became a result of the productive teamwork

Technologies

Java / Spring / AWS / Microservices / Kotlin / Swift / Objective C / GSP / NoSQL / BigData / Bigquery

Solution

★ 01

More than 50,000+ users of the applications started to track their glucose levels and give a set of positive feedback.

★ 02

Tracking glucose levels in the blood helps users manage health conditions. With the app, a user logs or imports the results and observes the dynamics in one place.

★ 03

In the app, a user sets a personalized range to track whether the glucose level is above, below, or within the range. This helps users understand how their daily habits affect blood glucose levels.

★ 04

The glucose measurement system was built on both the server- and client-side. Users interact with the mobile app for the results visualization.

★ 05

The ODT matched the Client's requirements exactly. The experience and expertise that Intetics' engineers brought to the Client's team helped achieve the Client's goals as was planned.



Benefits and Results

- ★ With an estimated 29 million users of the Client's mobile app worldwide, the new glucose tracking may enable millions of people to monitor their glucose level trends and improve diabetes management.
- ★ The Client product is valuable for people concerned about their health and lifestyle, and it gave lots of business opportunities.
- ★ More than 50,000+ users tried a new feature for glucose levels tracking and the number is growing.
- ★ The concept of the application was developed back in 2018. With the help of ODT, the ready-to-use product was launched quickly, at the beginning of 2021.

Techstack:

Java, Spring, AWS, Microservices, Kotlin, Swift, Objective C, GSP, NoSQL, BigData, Bigquery

Team: 10

Project Manager,
3 Java Developers,
4 Mobile Developers,
2 SDET Engineers