Diabetizer Ltd. & Co. KG cuts costs while empowering patients

IBM cloud technologies streamline the development of diabetes management tools

Overview

The need
To help diabetes patients better manage their treatment, Diabetizer Ltd. & Co. KG wanted to help them more easily share accurate, up-to-date medical information with physicians.

The solution
Working with an IBM Innovation Center, Diabetizer created a mobile app, supported by IBM® Bluemix™ and SoftLayer® technologies, that captures and aggregates data directly from other medical devices and health tools.

The benefit
The virtualized IBM architecture cuts ongoing operational costs by 30 percent with a flexible platform, while physicians and diabetics have clearer insight into patient health, encouraging better care options.

Founded in 2012, IBM Business Partner Diabetizer Ltd. & Co. KG focuses on making life easier for diabetics by offering tools that help patients track vital health details. Headquartered in Springe, Germany, the firm maintains an international network of subject matter experts to help refine its services.

Low levels of data
Keeping doctors apprised of patient health between appointments has always been a challenge. Traditionally, diabetics recorded their day-to-day health with handwritten logs, but this data was often inaccurate, relying on patient memory or estimates to capture important details such as blood sugar levels or medication dosages and times.

Having already built a web portal to help patients provide their physicians with more accurate records, Diabetizer wanted to create a mobile app that could manage this data automatically.

Now, Diabetizer can more easily enhance its mobile app to provide new, integrated services that pull data from surrounding devices in real time. “By integrating with Bluemix and SoftLayer, we can cut development times significantly, and we no longer need to care about issues like scaling,” says Robin Hrassnigg, chief executive officer (CEO) at Diabetizer Ltd. & Co. KG.
An integrated treatment
Working with the IBM Innovation Center in Switzerland, Diabetizer restructured the code for its existing web application to create the myDiabetizer mobile app. myDiabetizer pulls and aggregates relevant sugar level, nutrition and fitness information from blood glucose meters as well as other health apps, such as RunKeeper or Fitbit. Patients can then track this data and share it with physicians through generated reports.

The app was designed using the IBM Bluemix environment, taking advantage of the mySQL database, wearable fitness and SendGrid services. A SoftLayer architecture, hosted in Amsterdam, powers the overall solution and helps to automate the creation of software instances.

Empowered patients
The integration capabilities and flexibility of the Bluemix and SoftLayer platforms helped Diabetizer to accelerate development and deployment timelines for new services and capabilities. As a result, the company was able to cut its operating costs by roughly 30 percent.

By tapping into the Internet of Things (IoT) to gather relevant medical data, physicians now have a more holistic view into patient health, helping to achieve better patient outcomes. And in the near future, Diabetizer intends to incorporate analytics tools that will help patients proactively manage their ongoing health.

Solution components
Software
• IBM® Bluemix™

Services
• SoftLayer®

For more information
To learn more about IBM Bluemix or SoftLayer, please contact your IBM marketing representative or IBM Business Partner, or visit the following websites:
ibm.com/bluemix
ibm.com/cloud-computing/softlayer