

Using AWS Lambda to save time & money.

PGS Software developed a unique mobile application that uses the latest in machine learning technology to automate the analysis of users' health symptoms.

BUSINESS NEED

Sheyeen Liew, CEO of Sybod, wanted to **improve people's quality of life by using the latest in machine learning technology to automate the analysis of their chronic health conditions**. All she needed was to find a skilled software development team capable of creating a Big Data-ready, robust, and scalable application that would be able to process and store large amounts of data points.

That is when she turned to **PGS Software**.

SOLUTION

At Sheyeen's request, the **PGS Software mobile development team created a stand-alone iOS application with a robust and scalable backend that runs in the Amazon Web Services (AWS) Cloud**. The development team took advantage of the possibilities presented by **AWS Lambda** and made use of the **Apache Cassandra** database to store **Apple HealthKit** data points in the application. Using the Big Data-ready Apache Cassandra database allowed the developers to create **a truly robust backend** to which data can be transmitted even while the user's mobile phone is locked. The application currently allows **up to 100,000 data points to be stored** on the user's device.

BUSINESS BENEFITS

PGS Software is an APN Consulting Partner and can help clients from all business sectors to **move existing applications to the Cloud, transform legacy systems, and design Cloud-native solutions**. PGS Software developers can run code on AWS Lambda without the use of servers, **ensuring that the client only pays for the consumed compute time without having to worry** about the period when the code is not being run. With AWS Lambda, developers do not need to waste man-hours and the client's resources to administer servers as nearly any kind of application or backend service can be run without them.

According to Sheyeen Liew, CEO of Sybod **using AWS Lambda Lambda has helped her and her team save a lot of hassle**. If they had chosen to host the app on their own server, a lot more time and money would have been spent on dealing with server-related issues. Moreover, increasing capacity would have been problematic. **The AWS Cloud has helped Sheyeen and her team to be more agile and has allowed them to spend their resources on what they should be doing** instead of on maintaining a server.

PROJECT DETAILS



SOLUTIONS

AWS Cloud, AWS EC2



TECHNOLOGIES

iOS, Swift, Apple HealthKit, Apache Cassandra Java, Node.js, Dynamo DB, Git



TOOLS

Jira, Confluence



TEAM

7 developers

THE CLIENT'S PERSPECTIVE

Sheyeen appreciates **PGS Software's proactive approach, technical knowledge** as well as their **willingness to adapt** and implement changes.

ABOUT THE CLIENT

Sybod is a start-up from Norway run by Sheyeen Liew. The Sybod application aims to improve people's quality of life by using the latest in machine learning technology to automate the analysis of users' chronic health conditions.

ABOUT PGS SOFTWARE

PGS Software is a public listed IT development centre providing extended teams who develop custom software solutions and deliver end-to-end business services to clients worldwide. As a certified Amazon Partner Network (APN) Consulting Partner, we specialise in Cloud Transformation (Application Migration & Modernisation). We have 3 development centres in Poland (Wroclaw, Gdansk & Rzeszow) as well as branches in London, Munich, Vienna & Barcelona. We provide Agile-to-DevOps delivery capabilities such as B2B/B2C web & mobile development, Continuous Delivery, Business Analysis, UX & UI design.

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“Whenever we faced a challenge, the PGS Software team would come and say that we have a problem. However, they would also say – here are three different solutions to that problem and here is the cost-benefit of each possible solution. During the course of the project, they were helping us understand what the problem was and how to solve it. Thanks to their technical expertise, we were able to make good business decisions at a higher level rather than having to try to dig into all of the technical details.”

SHEYEEN LIEW
CEO of Sybod

FOR MORE INFORMATION ABOUT OUR SERVICES:
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