

Interview series

Patient-centered studies on Google Cloud via the FDA MyStudies Platform

[Boston Technology Corporation](#) applies technical expertise in mobile, web, and cloud-native application development and provides skilled technical staffing solutions to bring patient-centric programs into the digital age.

The Google Cloud Healthcare and Life Sciences team spoke with Shyam Deval, President of the Boston Technology Corporation, about how they're transforming healthcare experiences using secure, HIPAA-compliant digital tools.

How does Boston Technology help healthcare organizations transform their digital operations?

Shyam Deval:

Many of our healthcare clients have legacy programs, applications, and initiatives. We partner with them to create a digital transformation strategy that includes cloud migration, application modernization, and system integration initiatives. We facilitate interoperability by using the Cloud Healthcare API to integrate electronic medical records, claims data, and data from other disparate systems that providers, payers, and life sciences organizations use. Because we focus on healthcare, we understand compliance, the complexity of healthcare business processes, regulations, and the technology innovation landscape.



Let's get solving.

Boston Technology Corporation and Google Cloud are making...

"...the FDA MyStudies —a real-world, open-source data collection platform—more readily available and easily deployable, so that pharma and med tech organizations can leverage the platform to launch and operationalize their studies."

Shyam Deval, President, Boston Technology Corporation

What's your favorite example of a noteworthy solution that you delivered?

Shyam Deval:

We built FDA MyStudies, a real-world data collection platform for the US Food and Drug Administration's Center for Drug Evaluation and Research. It's an open-source technology platform that supports real-world data collection for organizations doing clinical research, post-marketing product efficacy research, and observational research studies. The FDA MyStudies platform won a prestigious Federal Labs Impact Award for 2020.

That must have been a proud moment. What other examples can you share?

Shyam Deval:

We've been working with a genetic counseling company—a startup with founders who came out of Yale University in New Haven. Many companies do lab testing but fail to provide counseling, so we're working with our client to build a digital content platform for genetic counseling. Two groups are currently using this platform: patients, who receive targeted counseling based on their genetic testing results, and physicians, who need to learn about genetic counseling steps that match the results. So, thanks to the platform BTC built, patients, their family members, and physicians can access specific recommendations, interventions, and updates based on the variants and mutations that genetic tests uncover.



Shyam Deval,
President, Boston
Technology Corporation

“We facilitate interoperability by using the Cloud Healthcare API to integrate electronic medical records, claims data, and data from other disparate systems that providers, payors, and life sciences organizations use.”

“While working on specific solutions like MyStudies, we are expanding our cloud-based service offerings within healthcare. Using the Cloud Healthcare API, BigQuery, and other Google Cloud products really helps us bring clients along on their transformation journey.”

How has your partnership with Google Cloud enhanced your services?

Shyam Deval:

We're now working with Google Cloud to make the FDA MyStudies platform functionally richer and easier to deploy for future trials. We're adding a number of capabilities, including BigQuery and the Cloud Healthcare API for FHIR. We're also making MyStudies available as an open-source platform on Google Cloud.

While working on specific solutions like MyStudies, we are expanding our cloud-based service offerings within healthcare. Using the Cloud Healthcare API, BigQuery, and other Google Cloud products helps us bring clients along faster on their transformation journey. We appreciate the depth and breadth of Google Cloud products and services; their flexibility in hybrid and multi-cloud support, and Google's continued investments in innovation, security, and compliance. On our own, we provide cloud migrations and other infrastructure support services, but Google Cloud products and services help us modernize applications and add significant value for our customers, which I think is truly exciting.

What would you say is the most rewarding result of your company's work?

Shyam Deval:

The FDA, with Google Cloud, is going to make the MyStudies platform available to many more organizations and companies as they deploy and launch studies. This will lead to new products, new drugs, and new recommendations based on inferences from observational research. Because we built this platform, and we witnessed some of the struggles with adoption, this is really exciting for us. Now, with enhanced Google Cloud services and with Google Cloud backing adoption, the platform is going to make a true difference for the broader community.



To learn more about
Google Cloud Healthcare and Life Sciences visit:
<https://cloud.google.com/solutions/healthcare-life-sciences>

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