

# Sionic - Leveraging Vertex AI for Fraud Detection

Slalom partnered with Google and Sionic to provide advisory services on the build and operationalization of a fraud detection solution leveraging Google Cloud and machine learning on VertexAI.

## The challenge

To better position their Pay-by-Bank commerce products in the market, Sionic sought to mature their fraud management capability. They wanted to leverage modern AI solutions to achieve this outcome.

## The solution

Slalom collaborated with Google on the identification and prioritization of fraud use cases that overlap between small businesses and enterprise merchants, providing feedback and examples for synthetic generation parameters leveraging industry best practices and then establishing baseline guardrails around the ML model to eliminate obvious cases of fraud and improve model training.

## The result

Google engineers generated millions of fraudulent and non-fraudulent transactions to train the fraud detection model based on Slalom's guidance. The fraud solution was built on VertexAI leveraging BigQuery, Cloud Run, and Pub/Sub. As an advisory collaborator, Slalom supported all steps from feature engineering to model implementation.

Slalom empowered Sionic's VP of Product and Chief Technology Officer with how to approach shaping an even more robust solution. Arming Sionic with the knowledge on how to iterate on the ML model as Sionic captures new customers, builds out a rules engine and further matures their fraud offerings.



### About Sionic

Sionic's market-first Verified Rapid Payments<sup>SM</sup> (VRP) Commerce Gateway enables financial institutions participating in The RTP<sup>®</sup> Network and FedNow bank payment rails to offer their personal and business customers instant, Pay-by-Bank services at the point of sale - whether via mobile, online, in-store, or in-vehicle experiences.

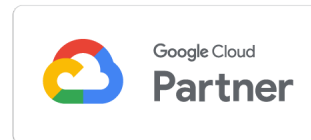
Vertical/horizontal solution: Software & Internet

Primary project location: United States



### About Slalom, Inc.

Slalom is a next-generation professional services company creating value at the intersection of business, technology, and humanity.



### Products

Google Cloud Platform