

Google LLC - Application Development for Blockchain Data Indexing

SZNS Solutions was selected by Google to provide specialized engineering support to Google's Web3 and Digital Assets teams. They demonstrated their years of expertise with modern application development, data engineering, and blockchain technologies.

The challenge

The challenge for this project was primarily on ingesting large amounts of complex blockchain data from a high performant chain built around the Move language, while meeting the requirement of providing near real-time data refresh rates.

The solution

First, we had a custom indexer built that pushed data from a blockchain source into GCS. Then we created a Dataflow job that used PubSub to pull from GCS and transform the data before pushing it into Google BigQuery to create a dataset. We also had Cloud Composer data validation jobs that would run scheduled jobs for data validation.

The result

The result was a robust data pipeline with proper data validation, real-time ingesting, fast data transformation, and a highly available dataset.

“SZNS Solutions was the right partner for us in this project as experts in data engineering. Their adherence to the project parameters was great and they exceeded our expectations by delivering top quality results ahead of schedule.”

Thai Dao, Sales Lead, Digital Assets @ Google Cloud



About Google LLC

Google LLC is an American multinational corporation and technology company focusing on online advertising, search engine technology, cloud computing, computer software, quantum computing, e-commerce, consumer electronics, and artificial intelligence (AI).

Vertical/horizontal solution: Software & Internet

Primary project location: United States



About SZNS Solutions LLC

SZNS Solutions is a Google Cloud partner in northern Virginia that specializes in consulting services for the Web3 and cloud computing domains.



Products

Google Cloud Platform