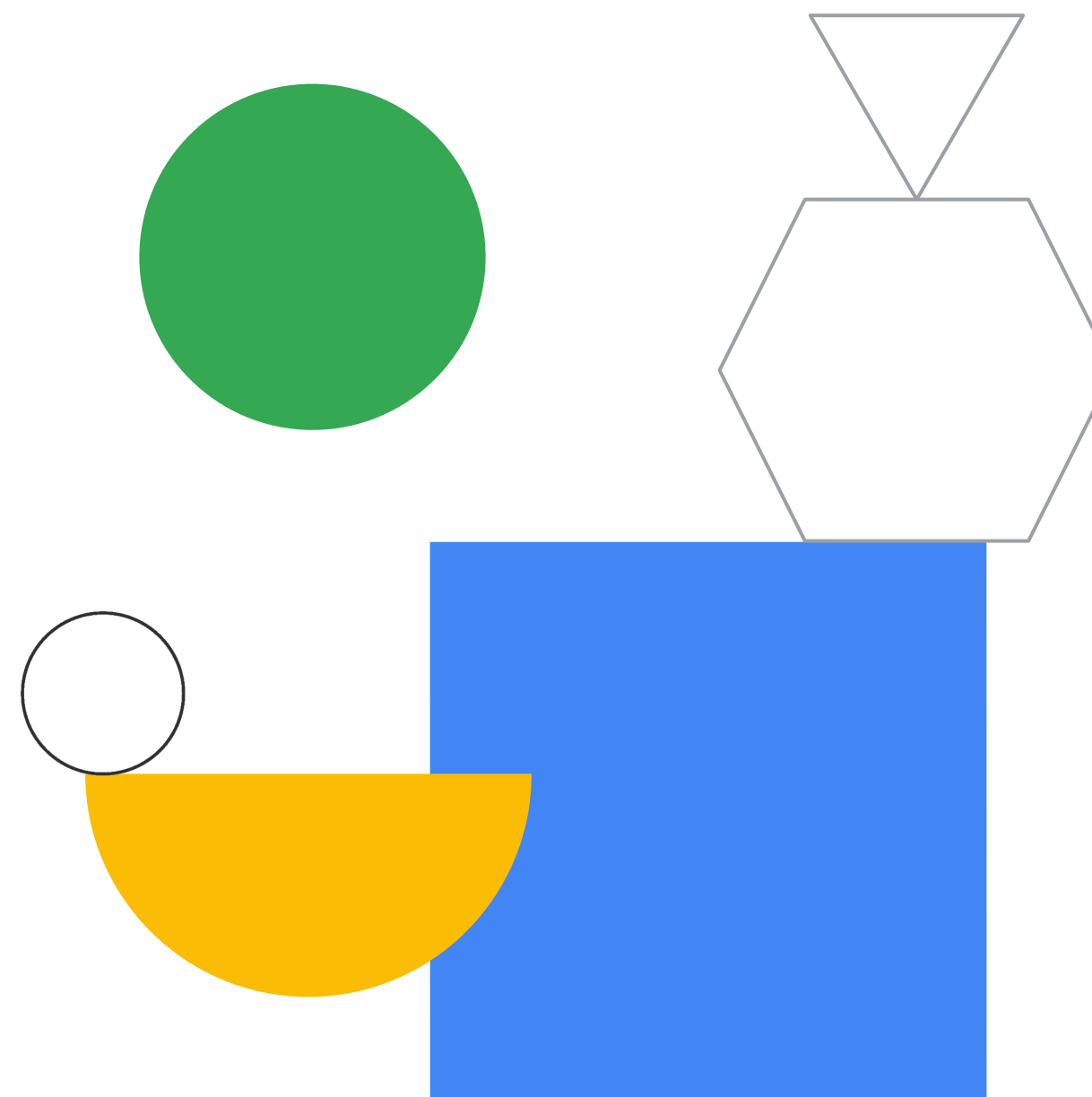Google Cloud

Building Resilient Streaming Analytics Systems on Google Cloud

Summary

Summary

- Streaming is data processing for unbounded data sets.

- Pub/Sub is a messaging service used as a starting point to process streaming data.

- Dataflow provides a serverless service for processing batch and streaming data.

- BigQuery allows you to stream records into a table.

- Cloud BigTable can handle NoSQL queries over large datasets (petabytes) in milliseconds.

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Summary

- Use BigQuery's analytic window functions for advanced analysis.

- BigQuery has built in GIS functionality.

- Use BigQuery's WITH clause to help modularize your queries.

- There are many ways to optimize your query performance.

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Data Engineering on Google Cloud learning path

- ✓ Modernizing Data Lakes and Data Warehouses with Google Cloud

- ✓ Building Batch Data Pipelines on Google Cloud

- ✓ Building Resilient Streaming Analytics Systems on Google Cloud

- 4 Smart Analytics, Machine Learning and AI on Google Cloud

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