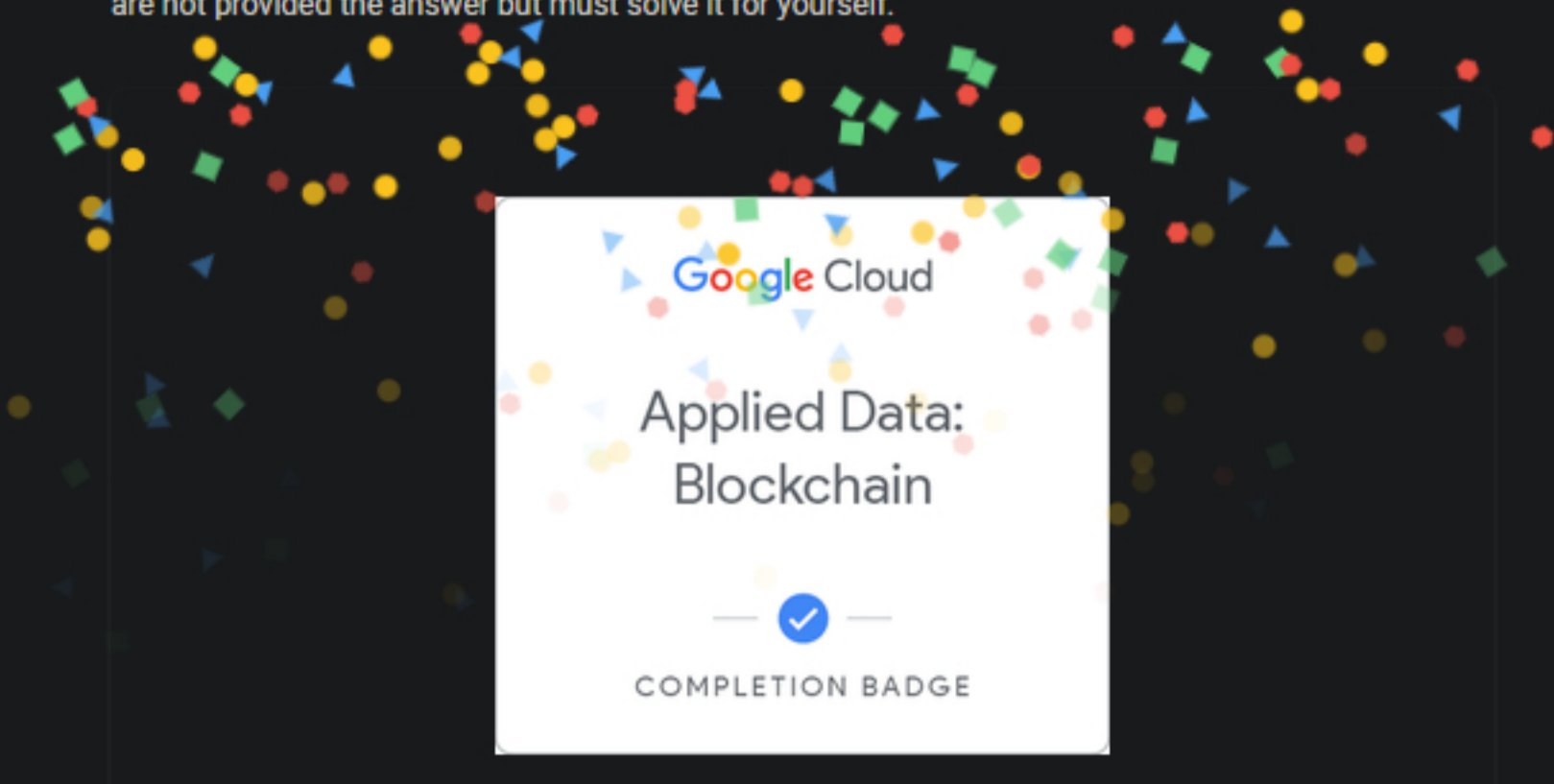Quest

Applied Data: Blockchain

📅 5 hours   📈 Advanced   📷 17 Credits

Blockchain and related technologies, such as distributed ledger and distributed apps, are becoming new value drivers and solution priorities in many industries. In this Quest you will gain hands-on experience with distributed ledger and the exploration of blockchain datasets in Google Cloud. This Quest brings the research and solution work of Google's Allen Day into self-paced labs for you to run and learn directly. Since this Quest utilizes advanced SQL in BigQuery, a SQL-in-BigQuery refresher lab is at the start. The final lab is an advanced challenge-style lab in which there are elements where you are not provided the answer but must solve it for yourself.

Google Cloud

Applied Data:
Blockchain

✓

COMPLETION BADGE

Congrats! You completed this quest and earned a badge. Become a cloud expert and start another.

Lab

✓ **Introduction to SQL for BigQuery and Cloud SQL**

In this lab you will learn fundamental SQL clauses and will get hands on practice running structured queries on BigQuery and Cloud SQL.

★★★★½   1 hour   Introductory   1 Credit   🌐 ⌄

Lab

✓ **Visualize the 10,000 Bitcoin Pizza Transaction Using BigQuery and AI Notebooks**

In this lab you will use an AI Platform Notebook instance to retrieve as many transactions as possible from BigQuery within 2 degrees of separation from the pizza exchange, post-process the transactions to remove excess transaction, then visualize the directed graph.

★★★★½   45 minutes   Introductory   1 Credit

Lab

✓ **Tracking Cryptocurrency Exchange Trades with Google Cloud Platform in Real-Time**

In this lab you will use GCP services to help graph trades, volume, and time delta from trade execution to see any patterns in the high volatility of the cryptocurrency market.

★★★★½   1 hour   Advanced   7 Credits

Lab

✓ **Getting Started with Blockchain on GCP using Hyperledger Fabric and Composer**

In this lab, you will learn to use Hyperledger Composer to quickly model a business network, containing assets, participants and transactions related to them.

★★★★½   45 minutes   Introductory   1 Credit

Lab

✓ **Exploring the Public Cryptocurrency Datasets Available in BigQuery**

In this hands-on lab you'll learn how to use BigQuery to explore the cryptocurrency public datasets now available. This is a challange lab, and you are required to complete some simple SQL statements.

★★★★1   35 minutes   Advanced   7 Credits