

**5 Courses** 

Google Cloud Platform Big Data and Machine Learning Fundamentals

Modernizing Data Lakes and Data Warehouses with GCP

Building Batch Data Pipelines on GCP

Building Resilient Streaming Analytics Systems on GCP

Smart Analytics, Machine Learning, and AI on GCP



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## **Thomas Karsten**

has successfully completed the online, non-credit Specialization

## Data Engineering, Big Data, and Machine Learning on GCP

This five-course accelerated specialization is designed for data professionals who are responsible for designing, building, analyzing, and optimizing big data solutions. Through a combination of video lectures, quizzes, and hands-on labs, learners carried out serverless data analysis and productionize machine learning models. This specialization is designed to give learners a robust hands-on experience and is primarily labfocused

Google Cloud Training

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The online specialization named in this certificate may draw on material from courses taught on-campus, but the included courses are not equivalent to on-campus courses. Participation in this online specialization does not constitute enrollment at this university. This certificate does not confer a University grade, course credit or degree, and it does not verify the identity of the learner.