**Google - Professional Data Engineer**

A Professional Data Engineer enables data-driven decision making by collecting, transforming, and visualizing data. The Data Engineer designs, builds, maintains, and troubleshoots data processing systems with a particular emphasis on the security, reliability, fault-tolerance, scalability, fidelity, and efficiency of such systems.

The Data Engineer also analyzes data to gain insight into business outcomes, builds statistical models to support decision-making, and creates machine learning models to automate and simplify key business processes.

The Google Cloud Certified - Professional Data Engineer exam assesses your ability to:

* Build and maintain data structures and databases
* Design data processing systems
* Analyze data and enable machine learning
* Model business processes for analysis and optimization
* Design for reliability
* Visualize data and advocate policy
* Design for security and compliance

Below are the courses which were taken before Google Cloud Professional Data Engineer exam:

GCP Certification:

1) Coursera - <https://www.coursera.org/professional-certificates/gcp-data-engineering?>

2) Cloud Guru - <https://acloud.guru/learn/gcp-101>

3) Linux Academy - <https://linuxacademy.com/course/google-cloud-data-engineer/>

4) Get google cloud certified by Sam Lee -- Introduction done (too basic course)

<https://www.getgcpcertified.com/p/google-cloud-certificates-all-courses-bundle>

5) 1 min Google Video: <https://www.youtube.com/playlist?list=PLIivdWyY5sqIij_cgINUHZDMnGjVx3rxi>