

# Vito Minheere

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## PROFILE

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Eager Data Engineer with 3+ years of experience, mainly in *Python* and *Google Cloud Platform*. Interested in building the simplest and most efficient solution to data problems.

Experience in data and software engineering allows me to streamline the transformed data to cater to developers and end-users.

## TECHNICAL SKILLS

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**Programming Languages** Python, Bash, Typescript, Dart

**Data** Pandas, BigQuery, Dataflow

**Operations** Docker, Terraform, Git

**Web Backend** Firebase, Django, Flask, REST

**Web Frontend** Flutter, Angular

## JOB EXPERIENCE

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### Data Engineer - Qlouders/Cloud Technology Solutions, Utrecht

04-2019 current

Work as a Data Engineering consultant in the Google Cloud Platform ecosystem

Build modern web applications with *Python* but also worked with *Java*, *TypeScript*, *SQL* and *NoSQL* databases.

Build Data Pipelines using *Google Cloud Platform* tools.

Develop microservices using *Docker*, *Kubernetes*, *Terraform*

### Data Engineer - Energyworx, Houten

05-2018 04-2019

Inhouse engineer working on data ingestion with *Apache Kafka* and transformation.

Managed the migration of the largest US customer to the new version of the data analysis framework

Build business rules with *Pandas* and *Scikit Learn*

Provide support to custom customer code within the platform.

### Graduation Internship - Globalistics, Valencia

09-2017 03-2018

Extraction, transformation and loading (ETL) of data gathered via API

Use gathered data in modelling to predict shipping prices

Build API with *Django* to show results on website

## Backend Developer - Nfnty/Conneqtech, Vlissingen

08-2016 09-2017

Worked on multiple client projects, both frontend and backend.  
Build API in *PHP* and frontend in *AngularJS*.  
Designed solutions for issues raised in ticket system.

# Projects

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## Data Extraction - Greenhouse

Extract data from applications and appliances using *Pub/Sub* and *CloudRun*. Extracted data is moved to into *Big Query* and *Cloud Storage*.  
Build and maintain pipelines supplying data to machine learning models.

## Accounting Tool - Tourism

Extended a frontend application with a price generating backend using *NodeJS* and *Typescript*, frontend was done in *Angular*.  
Data was loaded from the Datalake using *Cloud Functions*, *BigQuery* and *Firebase Realtime Database*

## Datalake - Tourism

Extract and transform data from multiple sources to a single datalake. Datalake is used to feed dashboards, spreadsheets and internal applications.  
Ingestion framework build with *Python* using *BigQuery* and *AppEngine*  
Exporting data to spreadsheets allowed company to work on them simultaneously in the cloud.

## Data Processing - Utilities

Ingest large amount of data presented in csv files via *Pub/Sub* and *DataFlow*, files were stored in *BigTable*.  
Analyzing and transforming time series data from IoT smart meters using *Pandas* and *Numpy*  
Refactoring the monolith class for transforming data into smaller, easier unit-testable components

## Data Science - Container Shipping

Research into container transportation price models  
Enriching API data from suppliers with extra data to be used in model  
Comparing the performance and accuracy of different models with *Scikit-learn*  
Building an API with *Django* to enable the product owner's website to query actual and predicted container transport prizes

# Certifications

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**Google Cloud Professional Cloud Architect**

*09-2020*

**Google Cloud Professional Data Engineer**

*06-2020*

# Education

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**Bachelor Software Engineering - HZ University of Applied Science in Vlissingen, Zeeland**

*2013-2018*

Minor in Data Science

**MBO Network Administrator - Scalda Vlissingen, Zeeland**

*2009-2013*

Focus on Cisco CCNA Networking