

# Tien Dat Nguyen

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Portfolio: [tiendatscorpy.github.io](https://tiendatscorpy.github.io)

## SUMMARY

Team-oriented data engineer proven in critical projects. Patient problem-solver with ability to leverage cloud solutions and an appreciate for clean code, adept at data gathering, ETL pipelines, and databases.

## TECHNICAL SKILLS

Python • SQL • Docker • Kubernetes • Flask • Heroku • S3 • Git • Hadoop • Airflow • EMR • Lambda • DynamoDB • API Gateway • R • 4D Software • PHP • JavaScript • Angular • Graviton • Apache Spark • Apache Kafka • Unit Testing • CI/CD • Devops

## WORK EXPERIENCE

### Basware

May 2021 – Present

*Cloud Developer*

*Helsinki, FI*

Leveraged AWS infrastructures to build and maintain Basware's ETL pipelines to generate, ingest and access data from multiple different sources.

**Tech Stack:** AWS solutions, including Lambda, API Gateway, EMR, Redshift, Glue, Athena, DynamoDB, S3, Tableau.

### Trafore Oy

May 2018 – May 2021

*Data Engineer*

*Helsinki, FI*

Main software architect and data engineer in a CRM taxi management system. My responsibilities include, but are not limited to:

- Integration of Payex and Adyen payment gateway
- Invoicing system (Finvoice 1.3 standard)
- Salary calculation system (Payslip 2.0 standard) with support for Incomes Register (Tulorekisteri)

**Tech Stack:** Python, 4D, PHP, Java, MySQL, PostgreSQL as backend engines | Apache Airflow as ETL pipeline orchestrator | JavaScripts, JQuery, CSS, HTML5 as front-end engines

## EDUCATION

### Aalto University

August 2021

*Master of Security and Cloud Computing*

*Helsinki, FI*

### Aalto University

August 2018 – June 2021

*Bachelor of Data Science, GPA 4.43*

*Helsinki, FI*

### Karelia University of Applied Sciences

August 2013 – August 2017

*Bachelor of International Business*

*Joensuu, FI*

## PROJECTS

### Aalto University

June 2020 – December 2020

*COVID-19 Impact to Finland Taxi Industry*

As my Bachelor Thesis for Data Science Major @Aalto University, I explored a 14-year dataset of taxi shifts in Finland, in order to trace the impact of COVID-19 pandemics to the taxi industry. Various time series correlation statistics are utilized to estimate the correlation between COVID-19 cases in Finland and taxi revenue data.

### Aalto University

September 2020 – December 2020

*Climate Change Indicator Data Science Project*

As a project leader in a group of five students, we built an end-to-end climate change dashboard, including a customized front-end Flask website and a unified data pipeline with multiple open sources data, hosted by Heroku.

## CERTIFICATES

- Udacity's Data Streaming Nanodegree (processing real-time data using Spark, Kafka, Spark Streaming and Kafka Streaming)
- Udemy's AWS Solution Architect Associate SAA-CO2