

Tien Dat Nguyen

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Portfolio: tiendatscorp.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

Mapbox

Oct 2022 – Present

Senior Software Developer

Helsinki, FI

Lead the design, development, and maintenance of robust data infrastructure and pipelines to support the Mapbox's creation, optimization, and delivery of vector tile datasets.

Tech Stack: AWS solutions, including Airflow, Spark, EMR, EMR Serverless, Glue, Athena, DynamoDB, S3.

Basware

May 2021 – Sep 2022

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.

Trafoire 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: Payex and Adyen payment gateway integration, 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.