Tien Dat Nguyen (Dylan)

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Portfolio: tiendatscorpy.github.io

SUMMARY

AWS-Certified Solution Architect. 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 • PySpark • SQL • Docker • Flask • S3 • Git • Hadoop • Airflow • EMR • Lambda • DynamoDB • API Gateway • R • 4D Software • Apache Kafka • Unit Testing • Redshift • Glue • Athena

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, 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*

PROJECTS

Optimizing Public Transportation with Kafka Streaming

In this Udacity project, I used Kafka and Kafka ecosystem to stream public transit status using Kafka and the Kafka ecosystem to build a stream processing application that shows the status of trains in real-time.
Tech Stack: REST Proxy, Kafka Connect, KSQL, Apache Avro, Faust Python Stream Processing

Evaluate Human Balance with Spark Streaming

In this Udacity project, I produced a stream of data to a Kafka topic and made it available to the STEDI application to consume. This data is used in a new feature for the application which consist of a graph that shows fall risk (will they fall and become injured?) for recent assessments. The development team has built a graph, which is ready to receive risk information from Kafka.
Tech Stack: Spark Streaming, Redis, Base64, JSON

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