

# Dylan Nguyen

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

## SUMMARY

Data engineer with 7+ years of experience building and scaling end-to-end data pipelines and infrastructure. Proven ability to design reliable, high-performance ETL systems on AWS and Spark, enabling analytics teams to access and trust data at scale. Strong SQL and Python developer with a track record of mentoring, optimizing queries, and ensuring clean, maintainable code. Experienced in collaborating across functions to democratize data and drive informed decision-making.

## TECHNICAL SKILLS

- **Languages & Data:** Python, SQL, Java
- **Big Data & Orchestration:** Apache Spark, Airflow, Hadoop, Kafka
- **Cloud Platforms:** AWS (S3, EMR, EMR Serverless, Glue, Athena, Redshift, DynamoDB, Lambda, API Gateway)

## WORK EXPERIENCE

### Mapbox

Oct 2022 – Present

*Senior Software Developer*

*Helsinki, FI*

- Led design, development, and maintenance of scalable data infrastructure powering Mapbox's vector tile datasets.
- Built and optimized Spark + Airflow pipelines on AWS (EMR, Glue, Athena, DynamoDB, S3), enabling reliable delivery of billions of map tiles.

### Basware

May 2021 – Sep 2022

*Cloud Developer*

*Helsinki, FI*

- Developed and maintained ETL pipelines leveraging AWS (Lambda, EMR, Glue, Athena, Redshift, DynamoDB, S3).
- Ingested and modeled data from diverse sources, enabling analysts and business stakeholders to generate insights at scale.

### Trafore Oy

May 2018 – May 2021

*Data Engineer*

*Helsinki, FI*

- Architected and engineered the CRM taxi management system, designing data models and payment integrations (Payex, Adyen).
- Built and orchestrated ETL pipelines with Apache Airflow to support invoicing, payroll, and compliance reporting (Finvoice, Payslip, Tulorekisteri).

## 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

### Aalto University

June 2020 – December 2020

*COVID-19 Impact to Finland Taxi Industry*

Analyzed a 14-year dataset of taxi shifts to quantify COVID-19's impact on industry revenues. Applied time-series correlation and statistical modeling to derive insights.

### Aalto University

September 2020 – December 2020

*Climate Change Indicator Data Science Project*

Led a team of five to build a full-stack data pipeline and dashboard. Developed ingestion pipelines from multiple open datasets, unified data model, and Flask-based front-end hosted on Heroku.