

# Noah Kusaba

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## Education

### Queen's University

- Mechanical Engineering (Honor's, Dean's) - GPA 3.52

Kingston, ON

2018 – 2021

## Certifications

- AWS Certified Data Analytics/Engineering – Specialty

Aug 2023

## Experience

### Lead Backend/Data Engineer

Charlotte, NC

*Fuji Data Solutions (Freelance-Contract)*

Jan 2024 – Present

- Lead foundational ETL solutions at numerous startups to leverage data for business objectives.
- Engineered serverless data-ingestion implementations using containers on AWS ECS and Fargate with CI/CD.
- Assisted in ETL migrations from stored procedures on MS-SQL-Server, to Azure Synapse DW, and Databricks ETL.
- Automated data modeling and aggregation for Tableau dashboards using DBT cloud.

### Senior Data Engineer (LinkedIn Public Referral by COO)

Charleston, SC

*Bear Cognition*

June 2023 – Jan 2024

- Automated a S3 to Snowflake data migration process, cutting storage costs by 50% and CPU costs by 60%.
- Establish ETL data pipelines scripts with Python using Prefect workflow orchestration.
- Manage and develop Kubernetes deployments on AWS EKS using Fargate pods.
- Develop GraphQL API using Flask and Graphene with authentication token.
- Miscellaneous data management & deployments using AWS, Apache Spark, GC, Snowflake, Docker, DBT.

### Data Engineer Consultant (LinkedIn Public Referral by CTO)

New York City, NY

*Overtone AI*

March 2023 – June 2023

- Lead development of ELT pipelines ingesting and processing audio news using AI models for analytics.
- Developed Looker dashboards, providing analytics for prospective clients.
- Google Cloud Platform Tools: Big Query, VM, Cloud-Run, GCR, Speech-to-Text API, Sentiment Analysis API.
- Technologies: Python, SQL, Docker.

### Lead Software Engineer

Tokyo, Japan

*Green Pastures*

May 2019 – February 2023

- Lead development of internal supply-chain management software, lowering logistics costs by 30%, and automated shipping orders using projected orders.
- Developed ETL data pipelines: Python (Selenium, REST API's) deployed as containers on AWS ECS.
- Developed a Tableau sales dashboard tracking business KPIs increasing online sales by 60% revenue.
- Technologies: Full-stack (JavaScript, React, Node, MongoDB, Flask), ETL (Python, Go), DevOps (ECS, RDS).

## Projects (Viewable on my Github)

- MMA Maps: Dashboard tracking major fighting events (MMA, BJJ, Boxing, etc.) integrated with a UI location map.
  - Full-stack (React, JavaScript, Postgresql, Flask), Web-scraping (BS, Selenium), ETL (Airflow, EC2, Python)
- Customer Cohort Analysis Model: Analytics data model tracking customer retention from first purchase.
  - Data Warehouse (Snowflake), Data Modeling (SQL, DBT-Core, Jinjia)
- Flower Image Classification: Neural Net classification model for Kaggle, ~70% accuracy on 224x224 images.
  - Pytorch, Techniques (Transfer-learning, Cut-mix image augmentation, class-weights)
- Advent of Code 2023 (Rust): Programming exercises demonstrating excellence in data-parsing, algorithms, etc.

## Technical Skills

- *Data Engineering*: ETL/ELT development, Data warehousing (Azure Synapse, Snowflake, Redshift).
- *Programming Languages*: Python, JavaScript, Rust, SQL, Shell Scripting.
- *API Development*: REST & GraphQL (Flask, Django, Graphene).
- *Cloud Computing*: AWS, GC, Microsoft Azure.
- *CI/CD*: GitHub Actions, GitLab.
- *DevOps*: Docker, Kubernetes, ECS.
- *Orchestration*: Apache Airflow, Prefect, Step-functions.