

## Contact

### Email

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### Address

Bochum, Germany

### LinkedIn

<https://www.linkedin.com/in/melodyegwuchukwu/>

### Github

<https://github.com/ogemelody>

## Education

**Diploma:** *Software Engineering - Cloud, Masterschool, Germany.* 11/24 – 12/25

**Master of Science (Official Statistics):** *Economic Data Analysis, Prague University of Economics and Business.* 09/22 – 11/24

**Bachelor of Engineering (B.Eng.):** *Mechanical Engineering, Federal University of Technology Akure.* 11/15 – 11/21

## Skills and Tools

### Technical Skills (IT):

- **Programming:** Python | SQL | R | YAML | BASH | SPL
- **CI/CD Automation:** GIT | AWS Code Pipeline | Git Actions.
- **Infrastructure as Code (IaC):** Terraform | AWS Cloudformation.
- **Containerization:** Docker, Kubernetes

### Data:

- **Data Modelling:** Star and Snowflake Schema, Data Vault, 3NF, Databricks Lakehouse
- **Data Warehouse & Database:** AWS Redshift, Databricks, Snowflake, MS SQL Server, AWS RDS
- **Technical Documentation:** Confluence, Notion, Microsoft Planner.
- **Data Architecture:** Draw.io, Miro
- **Data Visualization:** Power BI, AWS QuickSight
- **Data Lake:** AWS S3, GCP Cloud Storage, Azure Data Lake

### Project Management:

- Waterfall & Agile
- Advance Project Planning Using Notion
- Microsoft 365 | JIRA | Kanban
- Asana | Slack | Scrum

### Soft Skills:

- Analytical Thinking
- Cross Functional Collaboration & Teamwork
- Adaptability & Learning Agility
- Project & Time Management

## Certifications

Certified Entry - Level Python Programmer (PCEP)  
Certified for Apache Airflow 2 Fundamentals  
Splunk Cloud Administration  
Jira Scrum Project Creation – Coursera

## Language

English – Native Speaker

# Melody Egwuchukwu

## Projects

- Near-Real-Time Customer Data Platform on Google Cloud: Engineered Scalable BigQuery Architecture Integrating Firestore, Firebase, Segment & Analytics Tools.
- Databricks ETL Pipelines: Built multiple ETL pipelines using PySpark, demonstrating hands-on experience with lakehouse architecture and large-scale data transformations.
- **Grocerymate:** Cloud Infrastructure Deployment and Automation of a 3-Tier Web App on AWS with Terraform, EC2, ALB, and RDS for Scalability and Fault Tolerance.

## Experience

09/2024 – Present

*Kasi Money, Cape Town, South Africa.*

### Freelance (Remote)

- Built and automated event-driven ETL pipelines for customer transactions and marketing attribution, integrating Firebase, Segment, and Google Ads into BigQuery.
- Implemented reverse ETL pipelines delivering reconciled financial events to business systems for reporting and compliance.
- Engineered scalable data pipelines to ingest and process event data from Firestore into GCP Cloud Storage, with automated CI/CD workflows for consistent deployment.

12/2023 – 01/2025

*JNTL Consumer Health s.r.o, Prague, Czech Republic.*

### Senior Data Analyst

- Partnered with finance and BI teams to design Databricks data models for cost and inventory visibility, improving financial forecasting.
- Developed a returns analysis pipeline combining SQL and Python, enabling monitoring of the financial impact of product returns and reducing losses by 12%.
- Refactored complex SQL queries in Microsoft SQL Server, using indexing and query optimization techniques to cut execution time by 30% on datasets exceeding 2 million records.

04/2023 – 10/2023

*Splunk Inc, Prague, Czech Republic.*

### Solution Engineer Intern

- Assisted in delivering 5+ Proof-of-Concepts using PowerPoint, Figma, and Python-based prototypes, boosting client engagement by 20% during the sales cycle.
- Completed 12+ technical questionnaires and RFIs using Microsoft Word, Excel, and Confluence, ensuring a 100% on-time response rate aligned with client deadlines and technical accuracy.
- Facilitated Splunk4Rookies workshops using Splunk Enterprise and hands-on labs, training 25 interns across EMEA in real-time log analysis and data visualization best practices.

02/2022 – 03/2023

*Data2bots Consulting, Netherlands.*

### Analytics Engineer (Remote)

- Designed and deployed scalable ETL pipelines using AWS S3 for data staging, AWS Glue for transformation, and Amazon Redshift for warehousing, reducing data processing time by 30%.
- Automated ETL infrastructure provisioning with AWS CloudFormation, standardizing deployment of AWS Glue, S3, and Redshift components, and cutting manual configuration time by 40%.
- Automated dbt workflows for BigQuery data freshness using Docker, Google Cloud Run.

## Conferences

- WOMEN IN MACHINE LEARNING CONFERENCE 2019: A four days conference for women in machine learning, organized by Yielding Accomplished African Women in Accra Ghana.
- DEVFEST 2019: A two days conference for all Andela scholarship awardee. Organized by google developers' group in Lagos Nigeria.

**References:** Provided upon request.