

Daniel Fesalbon

Data Engineer | Software Engineer

Contact

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Summary

A Data Engineer with an extensive experience in both data engineering and software engineering. With vast knowledge and adaptability across various technology stacks and software development frameworks. Has demonstrated analytical and problem-solving capabilities. Committed to professional growth and improvement.

Education

MS Computer Engineering (Present)
Polytechnic University of the Philippines

BS Computer Engineering (2021)
Rizal Technological University

Experience

MDI Novare, Taguig City

Senior Data Engineer | May 2023 – Present

Enables the business and its clients on designing, building and moving their data from operational and external environments to any other designated target environment for analysis, consumption, driving real business impact.

- Provide code refactoring and process enhancement on an Airflow project
- Completed two POC use case requirements for a Telecommunication client
- Conduct R&D on AWS GLUE and EMR for data processing and ingestion
- Develop APIs based in Python using AWS Lambda and AWS API Gateway

IBM, Quezon City

Application Developer | Jun 2022 – Apr 2023

Primary role is to translate IT requirements in the design, development, and assembly of components to create custom information systems.

- Developed microservices and APIs for Bank System Modernization initiative
- Perform RCA and bug fix by analyzing logs and API testing using Postman

Manulife, Makati City

Back-end Software Engineer | Jul 2021 – Jun 2022

Responsible for completing Jira user stories and defects, merging and uploading changes to GitHub repositories, and participate in different agile ceremonies.

- Part of a team that successfully migrated an Oracle database to PostgreSQL
- Develop batch jobs for the migrated PostgreSQL database integration

Skills

Python, Java, JavaScript
PostgreSQL, MySQL, Oracle
React.js, Angular, Node.js
DevOps, Microservices
ETL, GLUE, EMR, PySpark
Airflow, CA WL Automation
Cloud stacks, AWS, Azure
Spring Boot, Django, FAST API
Scikit-learn, TensorFlow, Keras
Pandas, PyTorch, NumPy
Git, Docker, Jenkins, CI/CD
Data Engineering
Software Engineering
Machine Learning
Artificial Intelligence
Problem-solving
Team Collaboration, R&D

Other works and publications

[Forecasting Ferry Passenger Flow Using Long-Short Term Memory Neural Networks](#)

Investigate the capability of LSTM Neural Networks to forecast ferry passenger traffic.

[Fine-tuning Pre-trained Language Models to Detect In-game Trash](#)

[Talks](#)

Conduct a study on training popular large language models (LLMs), BERT and GPT to detect in-game chat toxicity.

Certifications

- DataCamp: Data Engineer Associate, Oct 2023 – Oct 2025
- Splunk Core Certified Power User, Sep 2023 – Sep 2026
- AWS Certified Cloud Practitioner, Jul 2022 – Jul 2025
- Microsoft Certified: Azure Fundamentals, Sep 2022
- Google Cloud Certified Cloud Digital Leader, Dec 2022 – Dec 2025