

# FAWZI LINGGO S.T.

[fawzilinggo@gmail.com](mailto:fawzilinggo@gmail.com) | [linkedin.com/in/fawzi-linggo](https://www.linkedin.com/in/fawzi-linggo) | [github.com/FawziLinggo](https://github.com/FawziLinggo) | [fawzilinggo.github.io](https://fawzilinggo.github.io)

## OBJECTIVE

As a Fullstack Developer specialized in the data domain, I strive to utilize my expertise in data processing, analysis, integration, and big data management, as well as my experience in streaming data technologies, particularly Confluent, to contribute to a dynamic and innovative organization that values cutting-edge data solutions. As a **Confluent Developer**, I aim to further develop my skills and knowledge in building and scaling real-time data pipelines, stream processing, and **event-driven architectures**.

## EXPERIENCE

**PT All Data International** | West Jakarta, Jakarta, Indonesia

*Fullstack Developer (Apr 2022 – **present**)*

Full Time

- I have focused on working with streaming data technologies such as **Confluent** and Kafka. As a **Confluent developer**, I have gained valuable experience in data integration from sources to sinks. This has strengthened my understanding of databases, linux, docker, networking, cloud and on-premise environments, as well as various programming languages commonly used in backend development, such as Java, Python and Go. Some of my key accomplishments include:
  - Filter the streaming events that are sourced from JATS via Streaming Open API and connected to replicator confluent, then apply filters to the data from this topic as per the business requirements. And another sourced from ITCH by using the **TCP socket** method connected to the Confluent.
  - A service for event **streaming delay** has been created using a docker container, with **parameterized delay times** (portainer). Integrate the kafka broker with haproxy so that the broker can be accessed over the internet (via a reverse proxy) using a token.
  - Maintenance of Attachment-generator service, which is a web server built using **Golang language** to store document data such as stock records and others. The data is sourced from ActiveMQ messaging (OpenAPI) connected to Confluent, then consumed and stored as a document. These documents can be accessed through a REST API with a security token
  - Guide on how to integrate REST applications to enable message production via the **Kafka REST Proxy**, as well as implementing **RBAC** (Role-Based Access Control) in each of its services
  - Creating a topics replicator template from **Data Center** cluster to **Data Replication Center** cluster and documenting the usage of several configurations required for tuning
  - Creating a connection from external databases, a template for **source CDC** SQL Server connector, Vertica sink connector, SQL Server sink connector, and documentation to be used for other connector building purposes.
  - Setting up an external Kafka Connect for connectors that are not yet supported by **Confluent Cloud**, such as the Vertica Sink connector, and integrating their data using Schema Registry Confluent Cloud
  - Processing data from topics using **ksqlDB** Confluent Cloud & Platform like Joining and filtering data for business needs.

**CV Harahap Petmart** | Banda Aceh, Aceh, Indonesia

*Digital Marketing Specialist (Dec 2021 – Apr 2022)*

*Part-time*

*WordPress Developer (July 2020 – Dec 2021)*

*Part-time*

- Built an online store using wordpress and also responsible for integrating with the database and monitoring site performance.

**Syiah Kuala University** | Banda Aceh, Aceh, Indonesia

*Junior Programmer at Control System Laboratory (Nov 2021 – Feb 2022)*

*Part-time*

- Built a JetBot collision avoidance and object detection algorithm using ROS with CNN method [\[Link\]](#)
- Designed SLAM (simultaneous localization and mapping) on the JetBot robot using ROS and RPLidar A2 using a webconsole-based controller [\[Link\]](#)
- Created training modules [\[poster\]](#) and robotics books with ROS under [Aulia Rahman, ST., M.Sc](#)
- Coffee beans detection using jetson docker inference with YOLO V3 architecture [\[Dataset\]](#)
- Processing eeg signals to detect autism spectrum disorder (ASD) using the SVM method

*Specialist Internship at Control System Laboratory (Nov 2020 – Dec 2020)*

*Part-time*

- Designed a Navigation System on Drone with ROS and Gazebo as a Simulation Application [\[PDF\]](#)

*Laboratory Assistant (February 2020 – November 2020)*

*Part-time*

- Tutored and Demonstrated lab to 80 students in using laboratory tools in Basic Control Systems.

## **HONORS & AWARDS**

### **ALIBABA CLOUD : PolarDB Global Hackathon 2023**

*Innovation Award (March 2023)*

- PolarDB is developed by Alibaba Cloud, it provides high performance and high availability of commercial database with ease to use. This contest inspires developers and enterprises to use PolarDB to empower innovation. The Stock Wizard is a platform designed to help users understand the stock market and enjoy a simulated stock trading experience. [\[certificate\]](#) [\[project demo\]](#)

### **KOMINFO and Association of IoT Indonesia**

*Top 10 Finalists in IoT Makers Creation Competition (Sep 2020)*

- The IoT competition is held annually by the Indonesian IoT Association which is attended by 60 national-level teams from various regions. In this team, I am the one who builds Deep Learning algorithm [\[certificate\]](#) [\[project demo\]](#).
- **Project Link:**

### **Indonesian Directorate General of Higher Education (KEMENRISTEKDIKTI) ·**

*Participant of PIMNAS 34 (Nov 2021)*

- PIMNAS is a prestigious competition among students throughout Indonesia, in this Pimnas competition my team took the PKM-KC scheme with the title Applicable Design Wheezing Sound Integrated Real Time with Gadget [\[PDF\]](#). In this team, I was the one who builds Deep Learning algorithm [\[certificate\]](#) [\[project demo\]](#)
- **Patent:** 000280118 [\[PDF\]](#)

## EDUCATION

**Syiah Kuala University** | Banda Aceh, Aceh, Indonesia

*Electrical Engineering* (2017 – 2022)

- **GPA:** 3.34 [\[transcript\]](#) [\[cert\]](#)
- **Project:** Rescue Drone Simulation using Object Detection Drone with ROS and Gazebo[\[PDF\]](#)

## ORGANIZATION

**Syiah Kuala University** | Banda Aceh, Aceh, Indonesia

- *Head of the Student Da'wah Institute of the Faculty of Engineering* (2018 – 2019) [\[Structure\]](#)

## TECHNICAL SKILLS

- Programming language (Python, Java, Go) , Linux Server (Ubuntu, CentOS), Databases (Postgresql, mysql)  
Docker, Qlik Replicate, Confluent Cloud and Platform as Confluent Developer

## LICENSES & CERTIFICATION

### **DataCamp**

- have taken 20 machine learning and data science have taken a python learning career path course on data engineer and machine learning[\[PDF\]](#)