

# KAUNG SI THU

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## SUMMARY

Experienced data engineer with expertise in building data platforms, pipelines, and warehouses. Proven ability to design scalable solutions and deliver impactful insights in fintech and banking industries, with a solid foundation in automation and system integration from manufacturing. Passionate about leveraging technology and data to empower data-driven decision-making, innovation, and creating meaningful impact.

## KEY SKILLS

- **Data Engineering:** Data Platform/Warehouse Architecture, ETL/ELT Pipeline, Data Modeling
- **Technologies and Tools:** AWS, Azure, DBT, Redshift, Synapse, Spark, SQL, Python, Shell

## EXPERIENCE

**KBZ Bank** — *Myanmar's largest privately-owned bank.*

Yangon, Myanmar

### Head of Data Engineering

Dec 2023 – Mar 2025

- Strategic planning for platform enhancements, driving data culture and literacy.
- Mentored engineers on ETL pipeline development, data modelling and governance.

### Lead Data Engineer

Feb 2023 – Nov 2023

- Developed an on-premise POC data platform integrating banking, fintech, and e-commerce data.
- Led implementation of AWS-based data platform, doubling data coverage and reducing cost by nearly half over the legacy system.

**Wave Money** — *Myanmar's first and largest mobile financial services provider.*

Yangon, Myanmar

### Manager, Data Engineering

Nov 2020 – Feb 2023

- Replaced legacy analytics systems with a Microsoft SQL Server-based platform.
- Expanded ETL pipelines, data models, and orchestration on Azure Synapse Analytics.

### Emerson Automation Solutions

Singapore

#### System Engineer

Jan 2017 – Jun 2020

- Designed RFID-powered inventory systems, reducing yearly cycle counts from 3 days to 1 day.
- Automated material transportation with AGVs, reducing labour requirements by 75%.
- Implemented ETLs and reports from various IIoT and manufacturing systems.

### Engineering Assistant

Jun 2011 – Dec 2016

- Maintained and developed internal apps, databases, and reporting solutions.

## EDUCATION

**National University of Singapore**

Singapore

**Bachelor of Technology in Electronic Engineering**

2012 – 2016

## ADDITIONAL

- **Talk:** Future-Proofing Business: Critical Role of Data Analytics Systems and Talents Private Event - 2024
- **Talk:** Data Analytics Knowledge Sharing Simbolo IT Training School Guest Speaker - 2024
- **Talk:** A Data Engineer's Journey AWS Community Day Myanmar - 2023
- **Recognition:** Role Model of Our Value Award Wave Money - 2022
- **Recognition:** Multiple Problem-Solving Hero Awards Emerson Automation Solutions - 2015-2019