

Thar Htet San

Bangkok, Thailand | [GitHub](#), [LinkIn](#), [Dagshub](#), [Research Gate](#)

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Innovative Artificial Intelligence Engineer with 5+ years of expertise in Software Engineering, MLOps, and Technical Teaching. Proven track record in developing data products, designing ML architecture and best-practice software engineering in regulated environments.

With a background in Data Science/Machine Learning, I have been able to work for companies in Myanmar, Japan and Thailand like ONOW as a Senior AI Engineer and Cloudsource as an AI Team Leader.

Skills

Programming languages : Python (primary language), Java, Node.js

ML Stack : TensorFlow, PyTorch, NumPy, Scikit-Learn, Pandas, Flask, Kafka, OpenAI

MLOps Stack : MLflow, Airflow, Prefect, DVC, Terraform, Docker, Kubernetes, KubeFlow

Cloud Stack : GCP, AWS , Azure

Collaboration : Git, DagsHub ,Azure Devops

BI Tools : Tableau (intermediate), Power BI (intermediate)

Database : MySQL, PostgreSQL, SQ-Lite, Firebase, Microsoft Access

Languages: Myanmar (Native), English (working proficiency), German (Goethe-B1)

Work Experience

ONOW

Sept 2023 - present

Data Product Owner and Senior AI Engineer (project base)

Bangkok, Thailand

- Lead in data discovery Platform creation using Airflow.
- Setup machine life cycle development architecture using MLflow and CI/CD/CT pipeline setup.
- Train juniors and educate the organization about how we should structure the functional teams.
- Educate the organization how can we extract insights from data using data LLM in data Pipeline.
- Created data pipelines and Prompt engineering for Business Coaching Chatbot.
- Analyzed and extracted key data points from financial data to create meaningful insights.
- During my time, we were able to deploy data Mesh Platform to production. It look like [Lexikon](#) from spotify. It helped the cross function teams to make faster, smarter decisions and save data discovery time for data scientists by 80%.

CloudSource, Inc.

Feb 2021 – Sept 2023

AI Team Leader

Tokyo , Japan

Focused on various machine learning projects and actively participated in leading the generation of AI solutions to meet client requirements.

- Beauty hotpepper magazine AI.

Hotpepper is a well known [Japanese beauty Web Site](#). We create AI for generating beauty magazine articles.

- Developed AI for beauty article generation on Hotpepper.
- Fine-tuned and tested language models (GPT-2, GPT-Neo, T5, GPT-J, OpenAI GPT-3).
- Created a custom algorithm for General Purpose Web Scraping.
- Led the research and development team, orchestrated machine learning lifecycle, and deployed on Kubernetes.

- Short Physical Performance Battery (SPPB) Measuring AI

- Led the team in creating an AI solution for SPPB measurement.
- Implemented machine learning lifecycle, CI/CD pipeline, and conducted model training.
- Oversaw dataset shooting and labeling tasks.

- Real Time Interactive Dashboards

- Developed ELT Process for data services and designed ERDs for databases.(PostgreSQL , BigQuery)
- Creating interactive Dashboard using Tableau and Looker Studio

- Real-time Egg size classification and counting AI ([sample-video](#))

- Developed a dataset and preprocessing tools.
- Fine-tuned instance segmentation and tracking algorithms.
- Converted the model to TensorFlow Lite and deployed it on Nvidia Jetson Nano.

- Paint to Image Translation AI

- Created a dataset and preprocessing tools.
- Fine-tuned instance segmentation algorithms and generative adversarial networks (GANs).
- Developed Backend API and deployed on Compute Engine.

- OCR for Japanese computer registration documents

- Provided image processing solutions and conducted machine learning tests.
- Developed Flask APIs, deployed them, and provided detailed API documentation.

Metro Computer, Myanmar

AI Engineer

Oct 2019 - Oct 2020

Yangon, Myanmar

Real-time video-based Action Recognition System

- Dataset creation and create ETL tools.
- Customize object detection algorithm.
- Design and developed image classification CNN.

Huawei, Myanmar

Data Analyst

Mar 2019 – Sept 2019

Yangon, Myanmar

- Discussing and insights searching with Telenor's data analysts.
- Creating automated ELT process using python and shell script.
- Creating SQL queries for Hadoop.
- Creating real-time interactive dashboards with Tableau.

Golden Huasser Group

April 2017 – Jun 2018

Junior Java Developer (part-time)

Mandalay, Myanmar

SMS Marking Tools is a tool that can send SMS to 1000 users a time and sending 1000 SMS one user a time. That tool was really useful for phone billing agents and [Myanmar Idol](#) SMS booking system.

- Created SMS marking and billing application using Java.
- Developed report generation using Jasper Report.
- Testing serial communication SPI and I2C.

[Bits Manager, Myanmar](#) – Software Engineer Internship

Sept 2018 – Dec 2018

- Developing IoT systems using C++.
- Testing and developed IoT devices using Arduino, ESP8266, Raspberry pi and STM32.
- Develop IoT using Node.js, Python.
- Testing and develop communication protocols MQTT and CoAP.

Education

B.C.Tech. (Embedded Systems)

2014 - 2019

[University of Computer Studies, Mandalay, Myanmar](#)

Diploma in English

2017 - 2018

[University of Foreign Language, Mandalay, Myanmar](#)

Achievements

- [Second winner up in China-Myanmar Innovation Competition.](#)
- [First Winner up of Myanmar Collegiate Programming Contest in 2018.](#)
- [Honorable Mention award in 2016 Asia-Yangon Programming Contest.](#)

Certificates

- [Deep Learning Specialization.](#)
- [TensorFlow Developer Specialization.](#)
- [AI for Medicine.](#)
- [Generative Adversarial Network \(GANs\) Specialization.](#)
- [Machine Learning Engineering for Production \(MLOps\)](#)

Community Activities

Zero to Hero ML ([GitHub](#)) - AI Teacher

April 2022 - present

This is no cost ML course for beginner level AI developers.

ML in Production ([GitHub](#)) - AI Teacher

Oct 2022 – present

This is no cost ML course for mid level AI developers.

Data Visualization with Tableau ([tableau](#)) - data analyst Teacher

Sept 2019 – Oct2019

Google Developer Group Yangon

- [DevFest 2022 - Hidden Technical Debt in Machine Learning Production](#)-Speaker