Company: Infineon Technologies Asia Pacific Pte Ltd
Name: Mr. Wong Kwang Yong
Title: Senior Supply Chain Director
Function: Corporate Supply Chain

Experience:
27 years of experience across various supply chain functions including Logistics, Freight, Custom, Export Control, Order Management and SAP Implementation Projects. Lead and partner with global organizations across Asia, Europe and America to ensure fulfillment of Customer demands in a high growth period. Enabled the successful implementation of China Supply Chain strategies cumulating in the implementation of a Global Distribution Centre. As of recent, initiated and driven successful implementation of Supply Chain Digitalization strategies focusing on Analytics, Forecasting enabled by Machine Learning.

Professional Education:
Graduated from National University of Singapore with Bachelor in Business Administration majoring in Logistics and Operations Management. Participated in various management talent development programs @Singapore Management University

Company: Infineon Technologies Asia Pacific Pte Ltd
Name: Ms. Lydia Heng
Title: Manager
Function: Advanced & Visual Analytics, Corporate Supply Chain

Experience:

• Manager for Analytics team in Singapore, identifying bottlenecks, setting up technical infrastructure, and handling of team's workflow.

• Responsible for end-to-end modelling, development and deployment of AI solutions (using Java17 Spring Boot and Python) for CSC.

• Proficient in cloud deployment and various Agile tools/methodologies such as Azure DevOps, mlflow, Openshift (Kubernetes), CI/CD (Jenkins, ArgoCD)

• Develop data engineering and data centralisation platform development using Python, SQL, Java17 and Spark

Professional Education:
Graduated from Singapore Management University with a degree in Bachelor of Science (Information Systems) and second major in Operational Analytics. Certified ScrumMaster.

Analytics/AI/ML Uses Cases in Corporate Supply Chain@Infineon

Detailed Agenda

1. Introduction of Infineon Technologies Supply Chain
2. Area of Application for Analytics in Infineon Corporate Supply Chain– Business Operations Objectives, KPIs, Value Add
3. Business Operations Processes & System
4. Infineon's Approach to AI/Analytics:
   - Overview of Infineon – Analytics Roles (Data Scientist, Data Engineer, Business Analyst)
   - The AI@OP (operations) lifecycle for sustainable value creation
   - The ODIN (**O**perate and **D**eploy artificial **IN**telligence) Architecture & Components
5. Overview of Types of Analytics Project and Frequently use Models
   - Image Classification (e.g. YOLO5 for object detection, efficientnet for image classification)
   - Forecasting
6. Data Management Structure/Architecture (Hadoop and Denodo)
7. Example of 2 Analytics Project (either Image or Forecasting projects)
   - Background & introduction
   - Implementation Methodology: Data processing, Modelling techniques etc
   - Pilot Implementation / Stabilization
   - Handover to Operations, Change Request etc.
   - Benefits of Solution (quantitative / qualitative etc.)
   - Challenges

8. Training for Data Scientist / Training for End users etc.