28 DECEMBER 2023

CREDENCE

REPORT ON INDUSTRY TALK

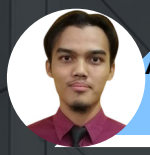
SYSTEM DEVELOPMENT @ CREDENCE

IBNU SINA

Muhd Haikal Bin Japri (A23CS0131)

Izz Haeil bin Hamishamsul (A23CS0088)

Ammar Qhawiem Bin Mohd Asrak (A23CS0045)



Abdul Barik Habibi Bin Mohd Iskanda (A20EC8024)

28 DECEMBER 2023

What is ANALYTICS?

ANALYTIC REFERS TO THE SYSTEMATIC ANALYSIS OF DATA TO EXTRACT MEANINGFUL INSIGHT AND MAKE INFORMED DECISIONS. IT INVOLVES EXAMINING LARGE SETS OF DATA TO IDENTIFY PATTERNS, TRENDS, CORRELATIONS AND OTHER VALUABLE INFORMATION.

ANALYTICS CAN APPLIES IN VARIOUS FIELDS, INCLUDING BUSINESS, FINANCE, HEALTHCARE, SPORTS, TRANSPORTION AND MORE

CARREER IN ANALYTICS

DATA ANALYST

DATA SCIENTIST

DATA ENGINEER

BI DEVELOPER

METABASE

SUPERSET

METABASE OR SUPERSET ARE OPEN SOURCE VISUALIZATION TOOLS, USUALLY FOR CUSTOMER WHO ARE CONSIDER IN LOW BUDGET.

AIRFLOW IS COMMON USE IN CREDENCE COMPANY. PURPOSE OF USING AIRFLOW IS IT CAN TRACE YOUR DATA SELECTION TRANSFORM TO DATA INSIGHT AND SEND TO USED DATABASE FOR AI DEVELOPER

AIRFLOW

PROGRAMMING LANGUAGE :

BASH

SQL

DATA PREDICTION AND VISUALIZATION

DATA ANALYTICS AND MODELLING

DATA COLLECTION

DATA TRANSFORMATION

OPEN SOURCE DATA

FROM OPEN SOURCE DATA LIKES DATABASE, EXTERNAL DATA OR SOCIAL MEDIA, THEY COLLECT DATA FROM IT TO TRANSFORM THE DATA USING ETL/ELT TOOLS AND TO PERFORM ANALYSIS. SOME PROJECT NEED TO BUILD MODEL FOR VISUALIZATION TO THE CLIENTS OR THE OPERATOR.

28 DECEMBER 2023

REFLECTION

> " First, solve the problem.
> Then, write the code "
>
> - John Johnson

HOW YOU WILL BE A SYSTEM DEVELOPER IN THE NEXT FOUR YEARS?

" Absolutely system developement will continue to adapt to the new technologies for the next 4 years. I am vey sure every side of these technologies will be more convinient to the user as its follow the trend of that era. Other than that,Data have become the crucial part on our technology system as there are playing a big role on it. They used to become raw materials to accessed about something and it will be processed then become an information. Information is processed data that will be use to display on the internet, can become reference for something and etc.Then, analytics and system developer must have the best understanding about Data. So, starting from now, i must learn and sharpen my skill on this feild also follow the trend as it will ease me to do the job. "

" Mention on this talked that, the most important of be a system developer for my perspective is communication skill and how we perform the task perfectly one by one with not rush. How to predict or plan the task that have be given to done perfectly by planning. So, from now I will practicing how to make good planning and how to make the task going according to my planning. In line with self-learning other soft skill likes programming that most company need it. For instance, I see that programming language SQL is really need by company. "

" I will develop a solid understanding of programming languages, data structures, algorithms, and software development. Furthermore, keeping an eye on emerging trends in system development, such as AI, blockchain and edge computing will get me a better learning in relevant technologies. In addition, I will seek internships or cooperative education opportunities to gain hands-on experience in a professional working zone. This provides valuable exposure to real-world projects and industry practices for a better training before get into the worklife. By combining these steps with dedication, a proactive approach, and a willingness to learn, I hope I will become a successful system developer in the next four years. "

" The project that is driven by data is described as following a methodical approach that begins with data collection from open-source databases, outside sources, and social media and ends with data transformation using ETL/ELT tools for analysis. Meaningful insights are extracted via the use of statistical analysis and machine learning models, and the successful dissemination of findings to customers or operators is ensured by the development of visualisation models through the use of bespoke solutions or Tableau tools. The project's emphasis on UI design and ongoing feedback loops demonstrate its user-centric approach and dedication to providing actionable information and assisting in well-informed decision-making across a range of fields. "