

CREDENCE, POWERED
BY TELEKOM MALAYSIA



SYSTEM DEVELOPMENT @CREDENCE

INDUSTRIAL TALK 2

28TH DECEMBER

2023

TECHNOLOGY AND INFORMATION SYSTEM
ASSIGNMENT 3 REPORT

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Speaker : Qistina Azman

Analytics Delivery, AI Operation



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Journey Career In Analytics Industry

- Industrial Training as Social Media Data Analyst at TMONE [2019-2020]
- Graduated in Bachelor of Computer Science (Data Engineering) [2016-2020]
- Social Media Data Analyst & Data Engineer at TMONE [2020-2022]
- Analytics Delivery, AI Operation at Credence [2022-now]

About Company

Credence is a company that born to focus on growth of cloud and analytics. It is a service based company that gather experts to perform tasks for customers from various field. Position that offered by Credence in analytics are business analyst, data analyst, data architect, data engineer, data scientist and BI developer. Culture that currently being applied in Credence are seems to be very comfortable and flexible. Firstly, Ms Qistina has mentioned about the possibility to be known within all department as it is only a small company. Moreover, the most valuable culture according to the speaker is the company provide free courses and certifications to encourage continuous learning and development. Furthermore, in terms of empowerment and autonomy, Credence normalize a full trust on a person who have potential and confidence to lead their own project. Lastly, they have celebration of success such as giving bonus to performed staff.

Technology and Tool Use

Database/OLAP

- PostgreSQL
- ClickHouse
- Druid



Visualization Tools

- Tableau
- PowerBI
- Metabase
- Superset



ETL/ELT

- Airflow
- Spark



Programming Language

- SQL
- Python
- Bash Syntax



Speaker : Qistina Azman

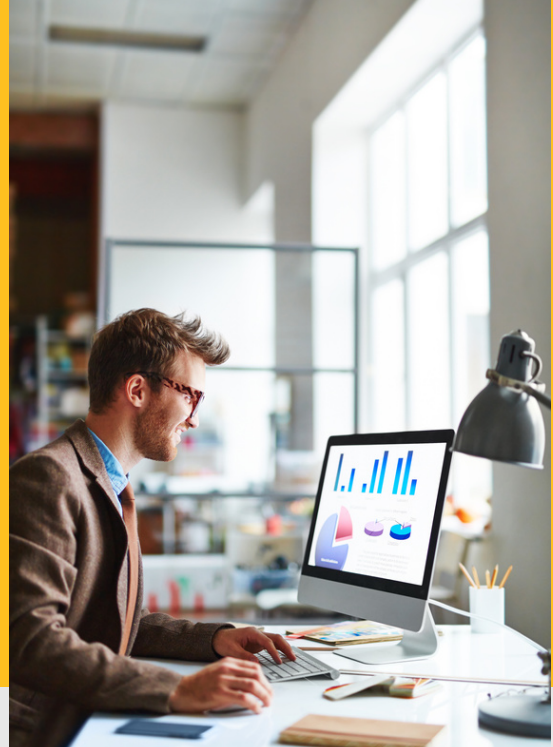
Analytics System Development

Description of System Development (Analytics)

Analytics is a process of analysing data to produce an insightful conclusions and identify the most wise desicion. Analytics also involve the process of examining a huge scale of data to find patterns, trends, correlations and many more important facts. This method have benifit a lot of sectors such as business, finance, healthcare, sports and transportation.

Fundamental of analytics

The fundamental of analytics are having data like structured data or external data from open source such as MAMPU. Data collected like weather and algorithms of social media will be extracted and transformed to desired data only, to continue to the next process which is analytic and modelling. The data obtained will be analysed to produced important facts and prediction. Next, it will be prepared to a meaningful visualization formed so that it can be read easily and understand by everyone. Lastly, there will be an insights based on the visualization. There are 3 level of insights which are strategic, tactical and operational. Strategic and tactical insights will be benifit by high position like CEO, COO and CTO and operational insights will be use by operation team to improve their performance.



Reflection

This research provided us useful knowledge into Credence, a cloud- and analytics-focused service-based company. The welcoming, adaptable, and small-team focused culture of the organization promotes ongoing development through unrestricted instruction and certification. The concentration on empowerment and autonomy, as well as the bonus-based celebration of success, show that this is a supportive workplace who believes in the talents of everyone.

In terms of analytics, I am aware of the fundamental processes that go into gathering, eliminating, evaluating, modeling, and visualizing data. The wide range of industries in which analytics is applied, such as business, finance, healthcare, sports, and transportation, emphasizes the importance it is to extract meaningful data in order to make decisions. This new knowledge has increased my understanding of the relationship between corporate culture, personal development, and the industry-changing potential for analytics.

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