

# REPORT ON INDUSTRY 2 SYSTEM DEVELOPMENT @ CREDENCE

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## TECHNOLOGY AND INFORMATION SYSTEM (SECP1513-05)



FACULTY OF COMPUTING  
UTM JOHOR BAHRU

### GROUP 7 MEMBERS:

IVOR BARRIE JAFFERY	(A23CS0087)
TEGAR INSAN TOHAGA	(A22EC4043)
LIOW JIA FENG	(A23CS0302)
KOO XUAN	(A23CS0300)
MUHAMAD DANISH AIMAN BIN MUHAMAD IRWAN	(A23CS0115)

LECTURER: DR AZURAH A SAMAH



# CREDENCE



## DESCRIPTION

System development is a staged process, also known as the system development life cycle (SDLC), that consists of analysis, planning, design, development, integration and testing, implementation, and maintenance. First of all, an analysis of the existing system was made by evaluating it through a conversation with the user itself. Then, plan for the new system with requirements from the user to improve and enhance the ready-made system. After that, the design of the new system is made according to the plan, which covers physical construction, hardware, operating systems, programming, communications, and security issues. For the development part, the new product needs to exist physically for the user to be familiar with the system. Testing is done to assess the quality of the new system and its performance. During this process, current problems can be identified. Finally, the new system will replace the old system and will be deployed according to its environmental use. Last but not least, the system will be maintained by the developer to make sure it is always up-to-date.

## TECHNOLOGY & TOOLS

Database for development includes designing databases, creating indexes, and developing products and triggers in Credence's system development. It requires software tools such as PostgreSQL, ClickHouse, and Druid.

Visualization tools such as Tableau, PowerBi, MetaBase, and Superset visualize data styles and can manage a large amount of data in Credence's system development.

The best way for Credence's system development company to transform data is to create a technology called ETL tools such as Airflow and Spark.

Credence's system development requires a large room to create space between the data. To create spaces, the system development must use programming languages such as SQL, Python, and Bash Syntax.



## HISTORY OF CREDENCE & MS. QISTINA

Credence was launched back in 6th July 2022 by Telekom Malaysia Berhad (TM) which is a new cloud and digital services company focused to expand capabilities for enterprises in their digital transformation journey.

Ms. Qistina Batrisya Binti Azman Shah started her journey in Universiti Teknologi Malaysia and graduated with a Bachelor of Computer Science (Data Engineering) from 2016 to 2020. From 2019 to 2020, she did her industrial training as a social media data analyst at TMONE, then went on to work in TMONE as Social Media Data Analyst and Data Engineer until 2022. Currently, Ms. Qistina now works in Analytics Delivery, AI Operation at Credence.

Since Credence was recently launched, the company has a smaller team when compared to other tech companies in Malaysia such as TMONE. As of January 2024, Credence has around 201 to 500 employees currently, while TMONE has around 5000 to 10000 employees. This encourages ease of communication between departments and the management in Credence which has also helped Ms. Qistina in her continuous learning from experienced leaders of the industry through such open communication.

To conclude, there is no doubt that Credence will bring a positive impact to all enterprises that use the services provided by them in both analytics and AI operations.

# REFLECTION

## QUESTION :

### How Will You Be A System Developer In The Next Four Years?

#### IVOR BARRIE JAFFERY

In this day and age, lots of information is available to the public, especially since AI is now trending in the industry, such as ChatGPT. To make sure I am ready to become a system developer in the upcoming years, I would need to actively learn more about system development through self-learning.

#### TEGAR INSAN TOHAGA

Generally speaking about system development, including technologies and advance tools, For the four next years i will able to put higher standards technology for system Development. And put a vision to become the greatest developer especially for the system itself.

#### LIOW JIA FENG

My goal is to become a successful system developer over the next four years. I will try my best to gain practical experience through internships and projects in order to further achieve my goal. I will also learn about the soft skills for effective communication and teamwork to ensure that my system development skills are improved.

#### KOO XUAN

In the next four years, I aim to be a highly adaptable system developer and leveraging the latest technologies. Aim to stay ahead by exploring emerging technologies like AI to contribute innovative solutions when meeting current needs and anticipating future challenges.

#### MUHAMAD DANISH AIMAN

In the next four years, I will be a system developer with knowledge about the general trend because I believe that it is important to stay updated as a system developer so that I can implement that into my system and improve it from time to time.

## References

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