REPORT ON INDUSTRY TALK 2 - GROUP 7

SYSTEM DEVELOPMENT @CREDENCE (TM SUBSIDIARY)

DESCRIPTION OF THE SYSTEM DEVELOPMENT,
HISTORY,
TECHNOLOGY AND TOOL USE IN CREDENCE'S SYSTEM DEVELOPMENT

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REPORT

(Credit : https://tm.com.my/news/tm-launch-credence)

DESCRIPTION OF THE SYSTEM DEVELOPMENT

Credence is a service-based company focused on analytics and cloud services. They have teams of experts that work on projects to deliver solutions to customers.

The analytics process involves gathering data, transforming and analyzing it, building models, creating visualizations, and deriving insights. Different roles like business analysts, data architects, data scientists, data analysts, data engineers, and BI developers work together on these steps.

Credence has a collaborative team culture with open communication, continuous learning/development, empowerment/autonomy, and celebrating successes.

HISTORY

The speaker interned at TM One during university, worked on analytics projects, and was hired full-time after graduating. She progressed from a social media data analyst to a data engineer role holding a position of Professional, AI Operation.

Credence was formed as a subsidiary of Telekom Malaysia to focus on analytics and cloud services:

Credence was launched by Telekom Malaysia Berhad (TM) on July 6, 2022. The aim of Credence is to focus on expanding the capabilities of enterprises and the public sector in their digital transformation journey. Krish Datta (third from right) is the leader of Credence; he is an experienced technology leader who shapes TM's digital services arm.
(Credit : https://tm.com.my/news/tm-launch-credence)

TECHNOLOGY AND TOOL USE IN CREDENCE'S SYSTEM DEVELOPMENT

The speaker states some of technology that they being used in Credence.

- For basic database or online analytical processing (OLAP), they use PostgreSQL, ClickHouse and Druid.

- Next in Visualization Tools, they have been using Tableau, PowerBI which are the two most popular visualization tools. Plus, they also use open source of visualization tools such as Metabase and Superset to suggest to customer who has their own limit budget for the project.

- For ETL/ELT process, they use Airflow to orchestrate data collection, transform the data inside and push into database for AI developer use.

- While for Programming Language, strong skills in SQL and Python is very important and additional for Data Engineer, they will use Bash Syntax for cloud data pipeline.

- They also have to deal with Microsoft Azure, Amazon Web Services (AWS) and VMware for Cloud platform.

REFLECTION

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

ADRIANA MUNIRAH BINTI ADIEKHASMADMAJAR :

From the Industry Talk, I have gained some knowledge on how to pursue my career after my studies. I hope for the next 4 years, I hope I can adapt to new technologies in the field of system development as technologies improve a lot throughout the years and more technologies come every year. Plus, I hope I can improve my soft skills because it is one of the important things for my role as a developer and I hope to continue learning and also staying updated on industry trends, so I won't be left behind.

LEO MIN XUE :

Through this Industry Talk, I have the opportunity to learn about analytics and some of the careers in analytics. For example, a data analyst and a data engineer. Furthermore, I also learn about the technologies and tools that they use in their daily lives, such as Python and Superset. For the next four years, I hope to be more creative and innovative. Continuous learning enables me to keep up with all the latest technology and explore new things.

NIK BALQIS BINTI NIK JEFRY :

My aim is to become an excellent system developer by continuously learning new technologies, polishing my skills, and gaining experience through projects and internships. I'll stay eager to explore new tools and programming languages in this rapidly evolving sector. I'll actively seek opportunities to work on a variety of analytics projects and learn from mentors. With dedication and resilience, I'm excited to develop into a competent system developer who can design end-to-end data solutions and deliver meaningful insights through analytics.

BHARATH RAJ A/L MANIVANNAN :

In the next four years, I envision evolving as a system developer by staying abreast of emerging technologies, embracing continuous learning, and actively participating in collaborative projects. I'll deepen my proficiency in programming languages, enhance problem-solving skills, and foster a keen understanding of user needs. Embracing agile methodologies, I'll prioritize adaptability and responsiveness in software development. Engaging with the developer community, attending conferences, and contributing to open-source projects will be integral to my growth. Ultimately, I aim to contribute innovative solutions, cultivate a versatile skill set, and adapt to the dynamic landscape of technology, ensuring my effectiveness in the evolving realm of system development.

MUHAMMAD KHAIRUL HAKIMI BIN MOHD KHALID :

Over the upcoming years, I aim to evolve into a skilled system developer. I'll prioritize staying current with emerging technologies, encouraging adaptability. At the same time, I recognize the significance of improving soft skills through active participation in workshops and networking. This dual focus on technical expertise and interpersonal abilities will guide my growth in the dynamic field of system development. I will look forward to catch up and contribute to this exciting upcoming journey to become a successful individual in this field.

BALQIS NABILAH BINTI MUHAMMAD AZWAN :

After hearing the industrial speak, I realized that I need to strategically plan my future as a system developer. To guide my path, I'll focus on gaining hands-on experience through projects and internships, while also developing core skills in networking, security, and databases. Prioritizing communication and problem-solving, I aim to stay updated on industry trends and build a strong portfolio showcasing my skills. Lifelong learning is key for success in the dynamic field of system development, and I'm committed to staying curious and adapting to challenges along the way.