SYSTEM DEVELOPMENT @ CREDENCE (TM Subsidiary)

DATE: 28 DECEMBER 2023
TIME: 2:30 - 4:30 pm
ONLINE VIA: WEBEX

GROUP MEMBERS

Group 3: Three-trees

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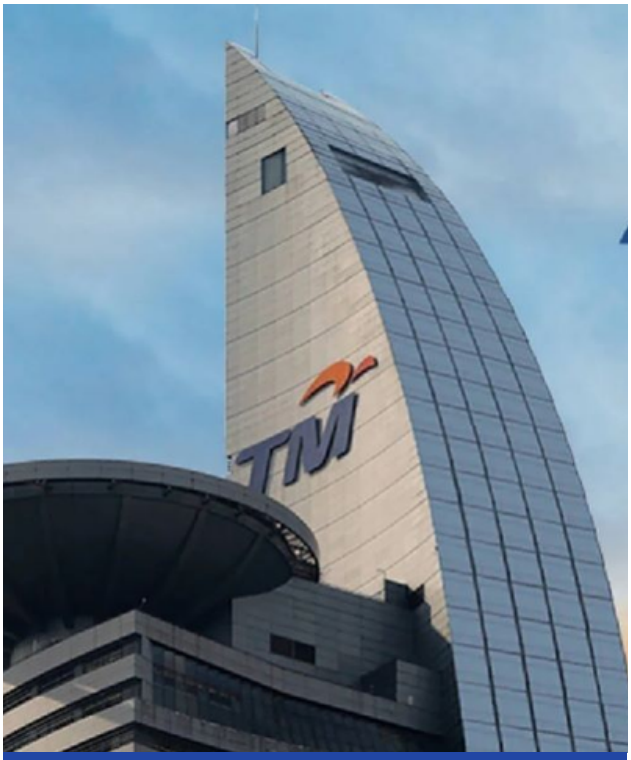
DESCRIPTION OF THE SYSTEM DEVELOPMENT

Analytics refers to the systematic analysis of data to extract meaningful insights and make informed decisions. It involves examining large sets of data to identify patterns, trends, correlations, and other valuable information. Analytics can be applied in various fields, including business, finance, healthcare, sports, transportation and more. The careers in analytics are business analyst, data analyst, data architect, data engineer, data scientist and BI developer.

HISTORY

Credence, TM's cloud and services company, launched in 2022 under CEO Imri Mokhtar vision to pivot TM into a digital solutions provider. Led by Krish Datta, Credence aimed to meet digital transformation needs, offering end-to-end solutions from tech infrastructure to analytics. Partnering with VMware, AWS, and Huawei, Credence focused on sovereign cloud services and strategic enterprise solutions. Additionally, Credence sought to bridge the tech skills gap in Malaysia by nurturing digital talents and transferring skills from the tech sector.



TECHNOLOGY

Developers are expected to learn Python, SQL and Bash Syntax in this workforce. Some of the technology mentioned are PostgreSQL, Druid and ClickHouse to manage their database. PostgreSQL an open-source DBMS specially for is for object relational database management. Druid and ClickHouse share the common feature as collaborative, real-time analytics database designed for online analytical processing (OLAP) on large data using SQL queries.

TOOL

TM uses Tableau and PowerBI, two visualisation tools that are quite popular in the sector. On certain occasions, such as when the customers have a limited budget, open-source tools (Superset and Metabase) will be applied as cheaper alternatives are advised to be used instead. Airflow and Spark are used in the ETL and ELT processes to orchestrate the collected data, converting it into a CSV file, and then load it into a database for additional use.

REFLECTION

RADEN SALMA HUMAIRA

The discourse on data analytics has provided a springboard for a compelling and meaningful academic trajectory. Over the next four years, my goal is to foster a growth-oriented and collaborative mindset. I aim to actively seek practical learning opportunities that align with the principles of data analytics, integrating these insights seamlessly into my coursework. By engaging in experiential learning and skill development, I hope to navigate the evolving landscape of data-driven system development. This reflection delineates my strategic approach as a university student, intending to bridge the gap between theoretical knowledge and the dynamic demands of the ever-changing field of data analytics.

LOH HUI YI

Over the next four years, I will strive to master the key programming languages mentioned such as Python, MySQL, and Bash Syntax. My skill will go beyond the average, with the goal of surpassing expectations, by continuously study and hands-on experiences. I'll masterfully handle evolving technology by embracing the latest technologies. The process includes a never-ending search of perfection that guarantees not only ability but also innovation in system development. I am prepared to be a trailblazer, utilising a diverse skill set to solve difficult problems and make a meaningful contribution to the ever-changing environment of system development.

SOO ZHEN YANG

Participating in this talk has emboldened my purpose of becoming a good software developer as how the speaker told us, she underwent a lot of struggles to learn new technical skills but was blessed with eloquent communication skills. As a result, she is now in an amazing career position thanks to her unshakeable resilience and dedication to learn and accept her failures. I should always be open-minded to the latest technology, constantly ask for consultations from professional experts and colleagues and always prepare for unanticipated events. Never shy away from being someone who must regularly ask questions because in the end the one who will benefit from our hard work is ourselves. As to say, I want to become the kind of system developer that changes the current status quo with goodwill and heuristically in the next four years.

ONG JIE MIN

I see myself becoming a highly competent system developer over the course of the next four years by continuously utilizing cutting-edge technology and honing my programming skills. I'll aggressively look for chances to work with others on a variety of topics, creating a stimulating learning atmosphere. Furthermore, my objectives are to enhance my comprehension of system architectures, refine my problem-solving skills, and remain up to date with industry developments. Through consistent self-improvement, maintaining flexibility, and nurturing an enthusiasm for creativity, my goal is to have a significant impact on the always changing field of software development.

LEE JIAN AI

The talk about Credence(TM) has inspired me to work hard to become a system developer. I learned that being strong when facing challenges and always learning new thing is essential in this field. In the next four years, I want to keep learning about the latest technology and how systems work. I will practice programming , solve problems, and work with other to get better. My goal is to become a flexible and creative developer, making cool things and helping technology grow.