INDUSTRIAL TALK 2: SYSTEM DEVELOPMENT @ CREDENCE (TM SUBSIDIARY)

PRESENTER:

Ms. Qistina Batrisyia Binti Azman Shah
Professional, AI Operation

GROUP MEMBERS:

TEOW ZI XIAN A23CS0279

HUANG BOSHENG A22EC4032

CHU CHENG QING A23CS0218

MUHAMMAD FATHURRAHMAN BIN AYUB A23CS0129

MUHAMMAD FAIZ AIZAT BIN MD SUKERI A23CS0126

28/12/2023

DESCRIPTION:

Within the context of a Credence Industrail Talk, the intricacies of developing a successful system were highlighted. At the forefront of this process, the business analysts adeptly source data from diverse channels. The skilled data engineers then transform this data into intricate models, collaborating seamlessly with data analysts to extract meaningful insights. Decisions resulting from these insights undergo rigorous discussions with stakeholders, ensuring alignment with diverse expectations. Guiding this collaborative process is a constant feedback loop, expertly managed by Credence's BI developers. As discussed in this industrial talk, this holistic approach underscores their dedication to developing effective systems that seamlessly blend technical proficiency with stakeholder aspirations.
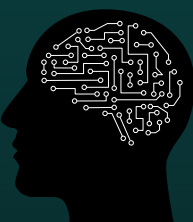
HISTORY:

Ms. Qistina's academic and professional journey is noteworthy for its dedication and achievements. She is a proud alumnus of the Computer Science (Data Engineering) program at UTM, where she became part of the first graduating batch in 2020. Her passion for data engineering fueled her commitment to excel in the field.

During her academic years from 2016 to 2020, Ms. Qistina honed her skills and knowledge in computer science. She successfully completed her Bachelor's degree, marking the beginning of a promising career. Notably, in the span of 2019-2020, she embarked on an enriching industrial training experience as a Social Media Data Analyst at TMONE.

This hands-on exposure proved invaluable, offering Ms. Qistina practical insights beyond the confines of traditional coursework. During this time, she also undertook her final year project, demonstrating her analytical prowess by using the Tableau platform to analyze social media data.

Post-graduation, Ms. Qistina seamlessly transitioned into the professional realm, joining TMONE where her roles evolved to encompass both Social Media Data Analyst and Data Engineer responsibilities. Today, she continues to contribute to the field of data analytics and engineering as an Analytics Delivery professional at Credence, a testament to her continuous growth and dedication to the industry

TECHNOLOGY AND TOOLS IN CREDENCE'S SYSTEM DEVELOPMENT:

Databases/OLAP:
PostgreSQL
Clickhouse
Druid

Visualization Tools:
Tableau
PowerBI
Metabase
Superset

Programming Languages:
SQL
Python
Bash syntax

ETL/ELT:
Airflow
Spark

28/12/2023

REFLECTION:

Being a system developer isn't just about coding. It's about working in a team, understanding user needs, and effectively communicating ideas. I'm honing not only technical skills but also the softer skills that make a well-rounded developer. -Teow Zi Xian

Becoming a successful system developer requires a effective approach, blending both hard and soft skills. I will prioritize honing my programming proficiency, understanding system architecture, and mastering relevant technologies. Concurrently, I'll focus on developing soft skills like effective communication and teamwork. Actively engaging in internships and specialized programs will provide hands-on experience, allowing me to apply theoretical knowledge to real-world scenarios. To ensure success, meticulous planning is essential. I'll create a timeline, set achievable goals, and continuously assess my progress. This proactive approach will enable me to stay on track, adapt to emerging trends, and ultimately become a highly skilled and sought-after system developer.
 -Chu Cheng Qing

To become an outstanding systems developer, one must master programming and understand operating systems, databases, and network systems. Stay informed about the latest trends in emerging technologies and focus on innovative solutions. Hone analytical skills for problem-solving, ensuring meticulous attention to detail. Effective teamwork, clear communication, and efficient time management are crucial. Master system architecture and design patterns, prioritizing security and performance, and adapt to industry changes.
-Huang Bosheng

To become a successful system developer, there are several key aspects that need to be emphasized. Beyond having a strong foundation in coding, possessing excellent soft skills and effective time management is crucial. Good communication is equally important for seamless adaptation to the dynamic work environment within the industry. Keeping abreast of current technological advancements is essential for efficient problem-solving. By focusing on these elements, one can ensure staying on track and evolving into a highly skilled system developer in today's rapidly advancing technological landscape.
-Faiz Aizat

Becoming a successful system developer requires a multifaceted approach that goes beyond technical expertise. Combining a strong foundation in coding with excellent soft skills, effective time management, and good communication is essential for navigating the dynamic work environment in the industry. Additionally, staying informed about current technological advancements is crucial for efficient problem-solving. By prioritizing these elements, aspiring system developers can ensure continuous growth and evolve into highly skilled professionals in today's rapidly advancing technological landscape.
-Fathurrahman

28/12/2023