credence

SYSTEM DEVELOPMENT

AN INSIGHTFUL INDUSTRIAL TALK 2 BY MS. QISTINA BATRISYIA BINTI AZMAN SHAH

DESCRIPTION AND HISTORY

BEHIND THE SCENES :

Tech and tools

REFLECTIONS :

How you will be a system developer in the next four years?

Prepared For:

SECP1513 Technology and Information System

Prepared By:

Innovators
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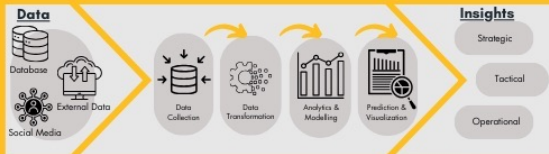Erika binti Hawapi

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YOU NEED TO KNOW ABOUT SYSTEM DEVELOPMENT

Description

System development encompasses the systematic process of designing, implementing and managing complex software or information system. To comprehend user needs, it start with meticulous planning and analysis.

From the talk, Ms. Qistina mentioned about analytics. Analytics its refer to the systematic analysis of data to extract meaningful insights and make informed decisions. Data analytics is essential to system development since it helps with design optimization, performance validation, user experience enhancement, security compliance, and iterative enhancements based on user feedback. It is essential for making defensible choices at every stage of the development process.

Technology and Tools Used

Ms. Qistina highlighted some of the technology and tools that they used every day in Credence such as:

Visualization Tools

Superset   PowerBI   Metabase

Database / OLAP

PostgreSQL   ClickHouse   Druid

ETL/ELT

Spark   Airflow

Programming Language

Bash   Python   SQL

History of System Development

Credence is a newly-launched company focused on cloud computing and digital services, launched on July 6th, 2022 by Telekom Malaysia (TM). The company's goal is to offer a complete suite of services to enable organizations to navigate their digital transformation with predictability and agility.

In a system development environment, Credence's role may include developing and deploying complete digital solutions for its clients. This could include technology infrastructure development, cloud advisory, IT landscape transformation, SaaS (Software as a Service), managed services, analytics, and more. In addition, the announced partnerships with VMware, AWS and Huawei demonstrate Credence's commitment to providing a wide variety of solutions to enterprises, tailored to their growth imperatives.

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Reflection

AMIRAH

To become a system developer in the next four years, I need to have solid programming skill in Python, Bash, SQL, C++ and other related system development tools. Apart from that, I need to learn more about operating systems, algorithms and problem solving. In order to improve my communication and problem solving skills, I also need to do networking with people and always work in teams. Like, contribute to any activities or assignment project. The most important is enhance my design thinking skill. Lastly, I need to keep updated to the newest technologies so that I have to prepare for the future and make it easier to adapt for changes.

ZHI YU

For the next four year, my aim as a system developer is develop strong communication, teamwork and project management skills. As system developer often work in teams, and communication is crucial in this occupation. Besides, I need to attaining mastery in Python, PHP and C++ language as this will provide a solid foundation for tackling diverse technical challenges within my field. Furthermore, I also have to participate in developer groups, joining industry events and make connections with others professionals in order to enhance my skills.

ZI LING

I am committed to enhancing my skills as a system developer. My primary focus will be on mastering programming languages such as C++, Python, and Java, which are essential in this field. I will dedicate significant time to studying and practicing these languages, ensuring a strong foundation for developing cutting-edge graphics and multimedia software. Additionally, I plan to broaden my knowledge by exploring advanced concepts and staying updated on industry trends.

FARHANAH

As a system developer for the next for years, i need to concentrate on developing a solid computer science education, mastering programming languages such as Python or C++ to building essential projects, and becoming an expert in crucial fields like databases, networking, and security if i want to work as a system engineer. Besides, I need stay abreast with market developments, embrace cloud computing, hone soft skills, and look for internships to gain practical experience. I need to make a commitment for the lifelong learning and flexibility in order to succeed in the fast-paced field of system development.

ERIKA

My focus as a system developer over the next four years will revolve around learning and hands-on experience. Mastering programming languages, databases, and visualization tools is crucial, coupled with staying updated on industry trends. I believe in the power of collaborative teamwork, self-confidence, and a genuine eagerness to learn is a key to success. By balancing education with practical application, my goal is to evolve into a skilled and adaptable system developer.

References

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