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SYSTEM DEVELOPMENT

HISTORY, TECHNOLOGY & TOOLS USED IN CREDENCE'S SYSTEM DEVELOPMENT

REFLECTIONS

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

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SYSTEM DEVELOPMENT

DESCRIPTION

System Development can be viewed as a process that includes planning, analysing, designing, developing, implementing and maintenaning a system. Analytics refers to systematic analysis of data to extract meaningful insights and make informed decisions, which involves examination of large set of data to identify patterns, trends, correlations and other valuable information

TOOLS & TECHNOLOGY

There is a wide range of tools & technology used in Credene to create, manage, visualise and extract Data.

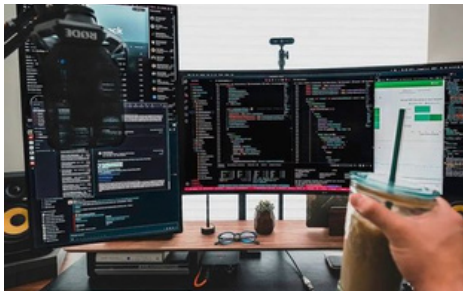
- **Database/OLAP**: ClickHouse, PostgreSQL, Druid
- **Visualization Tools**: Tableau, PowerBI, Metabase, Superset
- **ETL/ELT**: Airflow, Spark
- **Programming Languages**: SQL, Python, Bash Syntax

Analytics techniques are applied to develop models that identify trends and patterns within the data. These insights are then visualized through intuitive formats, facilitating easy interpretation and understanding. Ultimately, by extracting actionable insights from the processed data, organizations can optimize decision-making, drive innovation, and maintain a competitive edge in today's digital landscape.

HISTORY

Telekom Malaysia is a well-known telecommunications company in Malaysia, offering various services including fixed-line telephony, internet, and television broadcasting. Over the years, TM has diversified its operations to include other sectors, including data analytics, cloud services, and digital solutions. Credence was the result of TM expansion into the field of data analytics and technology solutions.

REFLECTIONS



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

FARAH : I understood that being in the analytics spectrum of computer science, I will be able to learn and understand how to collect, process and visualize the data. I need to have great understanding of analysing data in order to build a convenient, clear and comprehensible system for users as a system developer. Through continuous learning, I believe I can develop myself into becoming a great system developer in the future to be able to provide useful systems for users.

ANJUM: It was such an eye opening experience and I learnt that the path to become a system Developer requires Deep Understanding and a problem solving mentality. In the years to come I will train myself to be problem solver and expand my knowledge on the Intricacies of the technological world. I will make punctuality my core belief and start from today to be the System Developer that I dream of.

ANISA: Ms. Qistina discussed about career options(business analyst, data analyst, data architect, data scientist, BI developer, data engineer), everyday technology used in this field, motivational advices, and workplace culture. In four years, we will need to have skilled Python, SQL, and Bash syntax in addition to having knowledge of Database/OLAP, Visualisation tools, and ETL/ELT. We also need soft skills, such as a never-give-up attitude, teamwork skills, self-confidence, and an eagerness to learn and experience new things.

ANWAR: Miss Qistina Batrisyia's industrial talk, guided my reflection on the next four years as a system developer, First, I aim to explore analytics projects in different fields broadening my understanding of their impact and I will focus on improving my programming skills in Visual Studio Code, Python, and others to key in roles like data analyst and data engineer. Second, Staying updated on technologies will keep me competitive in data engineering.Last but not least, commiting to continuous learning through online courses, workshops, and collaborative projects, ensuring my skills stay current.

ABDUR: I want to contribute to open-source projects, learn a lot about upcoming technologies, and immerse myself in programming languages during the next four years. My compass will be practical experience and ongoing education as I work toward becoming a skilled system developer .

ASSER: Collecting and processing data is very important for any company, as this helps it cater more towards the customers' and the employees' needs. A prediction model can be built here to aid further in the growing of the company. Therefore, data analysists in computer science are a very important aspect of a company. Mrs. Qistina Azman also said it's essential to stay up to date with latest technology when studying to be a system developer, as companies always look for the most proficient employees.