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Transformation Done Right

TM ONE

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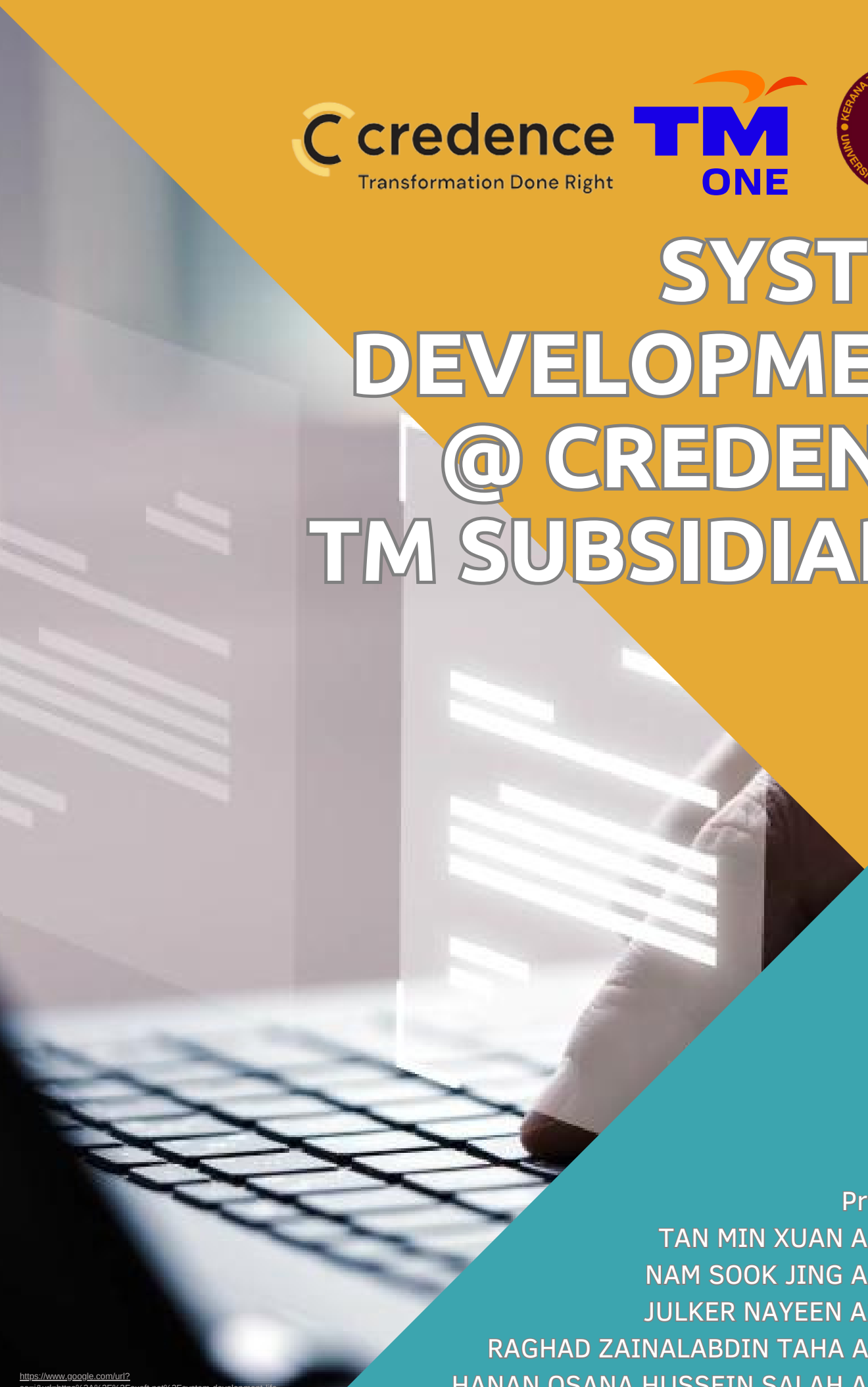
SYSTEM DEVELOPMENT @ CREDENCE TM SUBSIDIARIY



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01 SYSTEM DEVELOPMENT

DESCRIPTION

System development at Credence (TM Subsidiary) refers to the process of creating, designing, and implementing systems to meet specific organizational needs. This involves various stages, including planning, analysis, design, implementation, and maintenance. The focus is on developing efficient and effective systems that enhance business processes, improve productivity, and support the overall goals of Credence (TM Subsidiary). It may involve the integration of software, hardware, and other components to create a comprehensive solution tailored to the company's requirements. The ultimate aim is to ensure that the systems contribute to the success and growth of Credence (TM Subsidiary) in its respective industry.

The area of system development history is vast and dynamic, including multiple decades. Here is a quick summary of significant turning points and patterns in system development history: In 1950s till 1960s saw the Advent of electronic computers, marking the beginning of modern system development ,Custom-built systems for specific military or scientific applications. Introduction of batch processing systems for business tasks . and in (1970 – 1980) this era saw Emergence of database management systems (DBMS) for organized data storage. Popularization of relational database models and SQL. Growth of object-oriented programming with languages like Java and C++. Then in (1990 – 2000) was the beginning of the Introduction of web development technologies (HTML, CSS, JavaScript). Rise of agile development methodologies emphasizing collaboration and iteration. Paradigm shift with the advent of cloud computing for scalable infrastructure. Finally in 2010s Integration of DevOps practices for streamlined software delivery. And the Boom in mobile app development alongside the popularity of smartphones

HISTORY

TOOLS

In Dr.Qistina Amzan’s "Industrial Talk: System Development," a powerful tech stack fuels efficient system building. PostgreSQL, ClickHouse, and Druid handle diverse data needs, from reliable storage to real-tim e analytics. Tableau, PowerBI, Metabase, and SuperSet unleash insightful data stories via interactive das hboards. Meanwhile, Apache Airflow and Spark automate data pipelines, while SQL, Python, and Bash sc ripting keep things flowing smoothly. This data-driven approach ensures robust, efficient system develop ment, empowering informed decisions and a data-centric culture

Qistina Amzan's "Industrial Talk: System Development" introduces a robust technology stack for system development. It uses PostgreSQL, ClickHouse, and Druid for database and OLAP, and integrates visualization tools like Tableau, PowerBI, Metabase, and SuperSet. Apache Airflow and Apache Spark are used for ETL and ELT processes, with SQL, Python, and Bash syntax for programming.

TECHNOLOGY

REFLECTION ESSAY 02

RAGHAD

Attending the recent industry talk on system development was an enlightening experience that provided valuable insights into the evolving landscape of software engineering. The speaker, an industry expert, shared their deep knowledge and practical experiences, shedding light on current trends and challenges in system development.

TAN MIN XUAN

Qistina Azman's talk at Credence (TM Subsidiary) on system development in the analytics industry provided valuable insights into the career journey in this field. She covered essential aspects such as defining analytics, discussing career opportunities, highlighting tools used in analytics, and emphasizing the work environment and motivation in the field. This talk significantly benefited me by enhancing my understanding of Credence (TM Subsidiary)'s system development.

HANAN

Qistina Amzan's industrial talk on System Development at Credence Company discussed the analytics industry, its significance, career opportunities, and cutting-edge tools used in the company. She highlighted the potential growth and impact of analytics in today's business landscape. The talk also touched on Credence's workplace culture, emphasizing the importance of understanding the company's values and atmosphere for professionals seeking a fulfilling career

NAM SOOK JING

Qistina Batrisya binti Azman Shah's presentation highlighted the dynamic nature of the analytics industry, emphasising on resilience, adaptability and a proactive attitude. Qistina Batrisya binti Azman Shah's journey is an inspirational example of overcoming challenges and demonstrates the importance of perseverance in achieving career growth. The importance of perseverance in achieving career growth was demonstrated. Overall, the presentations provided valuable guidance for aspiring analytics professionals.

JULKER

Qistina Amzan’s talk on System Development at Credence Company offered a comprehensive view of th e analytics industry. Her diverse career journey inspired aspiring professionals with varied paths to success. Emphasizing analytics’ significance in today’s business, she illuminated career opportunities and grow the potential. The exploration of Credence’s technology, especially in AI operations, unveiled cutting-edge tools vital for industry trends. Qistina’s insights into workplace culture added a personal touch, stressing the alignment of values with professional pursuits. In essence, her talk served as a concise and informative guide for navigating the analytics landscape, encompassing personal experiences, technical insights, and considerations for cultural alignment