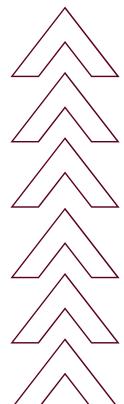


# REPORT INDUSTRIAL TALK 2

## Technology and Information System (SECP1513)



### GROUP 4

**Adlina Narisya Binti Ismail**  
**Nur Aina Syafina Binti Kamasuahadi**  
**Karen Yam Vei Xin**  
**Ngu Yu Ling**  
**Ryan Segal Anak Nicklas**

**A23CS0033**  
**A23CS0152**  
**A23CS0093**  
**A23CS0149**  
**A22BS0118**

# H I S T O R Y

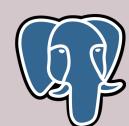
Ms. Qistina's career journey in data engineering at Credence, a service-based company, started with a Bachelor's in Computer Science, focusing on Data Engineering. Beginning as a Social Media Data Analyst during industrial training, she developed expertise in deriving insights from vast social media data. Progressing to a specialized role as a Data Engineer, she honed technical skills in data processing. Advancing further into roles like Analytics Delivery and AI Operation, Ms. Qistina's journey reflects her commitment to staying at the forefront of advancements in the analytics domain. This progression underscores her dedication to providing expert solutions and adapting to the dynamic analytics industry.

## SYSTEM DEVELOPMENT

The field of analytics offers a wide range of career opportunities, and professionals in this field use data analysis and interpretation to help organizations make informed decisions. These jobs includes business analysts whose role is to gather information such as yearly sales to present to customers or stakeholders. Secondly, data architects, which constructs the flow of the whole project from basics includes the decision making of the type of database and organization to be implemented in a project. Thirdly, data scientists who study on new technologies and examine their potential usage for the company. Working closely with data scientists, data analysts equipped with strong computing skills involved mainly in the data analyzing. Then, data engineers whose job scope composed of data gathering from customers and hand it over to data analysts. Lastly, BI developers works in the visualization of synthesized data to build them into dashboards to present to the stakeholders.

## TECHNOLOGIES & TOOLS

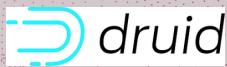
### Database / OLAP



PostgreSQL



ClickHouse



druid

### Visualization Tools



Power BI



Tableau

### ETL / ELT



Airflow



### Programming Language



SQL



python™



BASH  
THE BOURNE-AGAIN SHELL



**NGU YU LING**

Through this Industrial Talk 2.0 sharing session, I was able to take a glance on the actual working life of the technology industry including the various job scopes, and the interaction between them. As a computer science student and future graduate, this allows me to make a plan ahead about my future job as well as challenges. I am also being aware of the ever changing technology industry and the skills and right attitude I should be equipped with before stepping foot in the industry.



**RYAN SEGAL**

Upon attending the Career Talk, I believe that proactively networking well before graduation is crucial for professional development and establishing valuable connections that can significantly contribute to future career opportunities. I'm eager to enhance my Bioinformatics program with formal IT knowledge, recognizing its value in understanding global trends in IT, Management, and Marketing for a competitive edge in the job market. To excel in the industry, I believe in cultivating versatility by actively exploring new fields, networking with diverse individuals, and applying cross-disciplinary knowledge in real-life scenarios.



**ADLINA NARISYA**

Becoming a system developer as a bioinformatic student involves a multifaceted approach. First and foremost, I have to focus on excelling in computer science courses, particularly those related to databases, algorithms, and software development. Moreover, I must gain practical experience through internships, co-op opportunities, or collaborative coding projects to build a strong portfolio. Hence, I can develop my soft skills, including effective communication and teamwork.



**KAREN YAM**

The talk left me with valuable insights into the dynamic world of analytics. The talk underscored the significance of workplace culture, with fostering an environment of open communication, continuous development and collaborative for success. The speaker's motivational tips served as a reminder to maintain the thirst for learning and never give up.



**AINA SYAFINA**

For the next four years, as a system developer, I want to keep learning and adapting to new technologies, work with others on a variety of projects, and use real-world experience to improve my coding and problem-solving skills.