Introduction

From the talk by PPG on 28/10/2023, we have been introduced to the career of data engineering (DE). Mr. Mohamad Zamarul Akmal Mohd Husin, Data Engineer Specialist of PPG, and Mr. Saharulnizam Shobri, Data Analyst of PPG described to us their experiences in PPG and what are the skill that we need to apply in the work. Besides, some of our seniors who intern at PPG also share some experience with us about the job scope of that Data Engineer. We also had another talk about how to get hired on 23/10/2023 by Mr. Habib. From the talk, we know how to prepare our resume/CV when applying for the job. Moreover, we also learned how the ATS-applicant tracking system works.

Job Scope of DE

Production Support
- Monitoring ETL Pipeline Jobs
- Investigate the issue if any jobs fail

Data Validation & Verification
- Check data count & data sanity

9 Must-Have on your Resume/CV

- Contact information
- Career objective/ summary
- Education background
- Professional experience
- Extracurricular activities
- Core skills/ competencies
- Personal / academic projects
- Awards & honors
- References

Executive Summary

With the advancement of technology, the demand for data engineers is increasing which can guarantee the future of data engineers. They also played a very important role in this era. Finally, the PPG Data Engineering career lecture offered insight into the fields. The talk, existing interns, and PPG's data engineer specialist emphasized that there are exciting opportunities for Data Engineers. The acquiring of essential skills in SQL, data modeling, and data visualization has been pinpointed as an essential component in guaranteeing success in this sector. In addition, we also learned what resume/CV will get hired easily by a company. We also learned the average salary for the job and what is the flow of applying for a job from the speech of Mr. Habib. The speaker also recommended that we get more certificates to beautify our resume.

Career Talk (By Habib & PPG)

Industry field

- Aerospace
- Architectural Coating
- Automotive OEM Coating
- Industrial Coating
- Packaging Coating
- Automotive Refinish Coating
- Protective and Marin Coating
- Specialty Coating and Material
- Traffic Solution

Attitude and Mindset

- Curious
- Adaptable
- Open-minded attitude
- Eagerness to learn
- Positive mindset in overcoming challenges

Skill and Qualification

- SQL Skills
- Data Modeling
- Visualization Skills using BI tools
- Programming skills

Job Application Flow

Identify
- Desired job
- what industry

Research
- Job industry
- Company

Prepare
- Custom or fixed
- Highlight skills

Apply
- Job portals
- Email

Reflection

We learned from this talk that data engineers need both soft and hard skill sets. This talk also provided us with some other concepts, such as how data engineers would evolve in the future and the daily tasks of their profession. Furthermore, PPG also recommended that we join some short-term online classes on Linkedin to get more professional certificates to improve ourselves. We learned how the hiring process works in a company and how to write a perfect resume/CV to get the jobs easily. A career in Information Communication Technology (ICT) is essential to play a meaningful role in the industry because It enables workers to stimulate innovation, increase productivity, and protect data security.

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