

Problem Set:

How much time do you spend every day on social media sites like Instagram, Vine, or Facebook? Probably more than you think! One of the requirements of this course is for you to spend a little of your social media time enhancing your career by keeping up on new technologies and trends.

Once each month (a total of six times across the semester), you must identify and share an article on something relevant to the course, e.g., Agile Methods, Scrum, Extreme Programming, Continuous Integration, or DevOps. You may choose any relevant article from any relevant site, including:

- <http://dzone>
- <https://www.oreilly.com/topics/software-engineering>
- <http://www.martinfowler.com/>
- <http://scrum.org>
- <https://devops.com/>
- <https://www.scrum.org/resources/blog/>

Include the following in the document of your submission:

1. URL: The URL of the article
2. Description: A one-paragraph synopsis of the article, including conclusions. You must describe the article in your own words. Don't cut and paste from the article.
3. Recommendation: Do you recommend this article? Why?

Solution:

URL - <https://dzone.com/articles/the-future-of-the-data-engineer>

Description – Maxime Beauchemin is a name that requires no introduction in the field of data engineering. He was one of the first data engineers at Facebook and Airbnb, and he built and open-sourced Apache Airflow, a widely used orchestrator, followed by Apache Superset, a data exploration tool that's sweeping the data visualization scene. Maxime is currently the CEO and co-founder of Preset, a fast-growing firm that is pioneering AI-assisted data visualization for modern businesses. Maxime is widely credited with experiencing and even architecting many of the most influential data engineering technologies of the last decade, as well as pioneering the data engineering role itself in his seminal 2017 blog post "The Rise of the Data Engineer," in which he chronicles many of his observations. In brief, Maxime believes that teams needed a dedicated engineer to manage ETL, construct pipelines, and grow data infrastructure to efficiently scale data science and analytics. Enter the data scientist. The data engineer is a member of the data team whose main responsibility is to create and optimize the platform for ingesting, storing, analyzing, displaying, and activating enormous volumes of data. Data engineering teams straddled the line between constructing infrastructure, executing tasks, and answering ad-hoc requests from the analytics and BI teams, and it was a thankless but increasingly necessary position. Therefore, working as a data engineer was both advantageous and disadvantageous. In fact, the data engineer, in Maxime's perspective, was the "worst seat at the table." So, where does the discipline of data engineering stand now, five years later? In today's world, what is a data engineer? What are the responsibilities of data engineers?

Recommendation – Maxime Beauchemin brilliantly outlines the future of data engineering, and there's still a lot to learn about the field. As a result, I strongly advise reading this article and learning more about data engineering..