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.com (Links to an external site.) (Links to an external site.)
- https://www.oreilly.com/topics/software-engineering (Links to an external site.) (Links to an external site.)
- http://www.martinfowler.com/ (Links to an external site.) (Links to an external site.)
- http://scrum.org (Links to an external site.) (Links to an external site.)
- https://devops.com/ (Links to an external site.) (Links to an external site.)
- https://www.scrum.org/resources/blog/ (Links to an external site.) (Links to an external site.)

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/refcardz/log-management

Description – John Vester is the author of this piece. It is mostly concerned with the log management. The author talked about log management for developing applications has continued to evolve as technology matures into providing dedicated segments focused on handling aspects of the required processing. This is where the concept of centralized log management can provide a great deal of assistance. Aspects like micro services, JavaScript-based client frameworks, containerized strategies, cloud adoption, and Configuration as Code (or "* as Code") have presented a new reality for the origin of log events and messages. As they engage in some type of application service delivery, each of these components can log events. Those that rely on these logs to support and maintain applications are at a disadvantage if they do not consider a centralized log management solution – a disadvantage that can have an impact on the bottom line of the components they support. Regrettably, the format and layout of these logs differ from system to system, according to the author. When the logs are correctly merged and arranged, the engineer assigned to the scenario may quickly walk through the event without having to switch back and forth between log files from various and proprietary systems. A DevOps engineer frequently has a collection of data to evaluate when an unexpected circumstance arises. All of the application landscape's source logs are hidden deep within a file system, most likely utilizing proprietary logging formats. Even if all the logs can be acquired, going through each one chronologically to figure out what's causing the problem is a time-consuming process at best. When scanning for unwanted access to a certain application or service, security teams might benefit from a consolidated log management system. This advantage may be used to both anonymous external entities and internal accounts. To match logged events that may be signs of dubious behavior, reports may be produced inside the solution's centralized log management system. According to the author, Analysts often find themselves searching for the root cause of an unexpected problem, which can feel like a needle in the bottom of a haystack. Instead of spending hours and hours trying to find countless log entries, the concept of machine learning and crowdsourcing support can reduce the time it takes to identify the root cause.

Recommendation – The benefits of log management in the software development process is demonstrated in the preceding article. As a result, I strongly suggest reading this article.