



Shell Bootcamp 2024

3 Reflections for Week 2

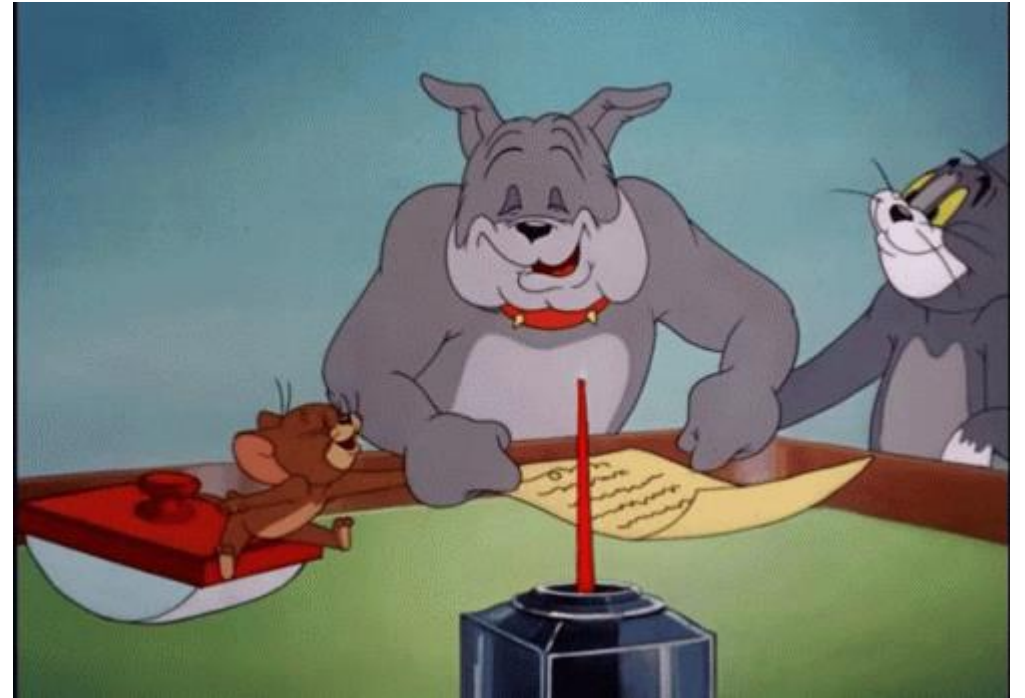
Adersh Varshnei

Date : 06-Sep-2024

About Me

Somewhere, something incredible is waiting to be known.

- Carl Sagan



Even with our differences, it is always better for people to come together and collaborate.

My learnings from this week!

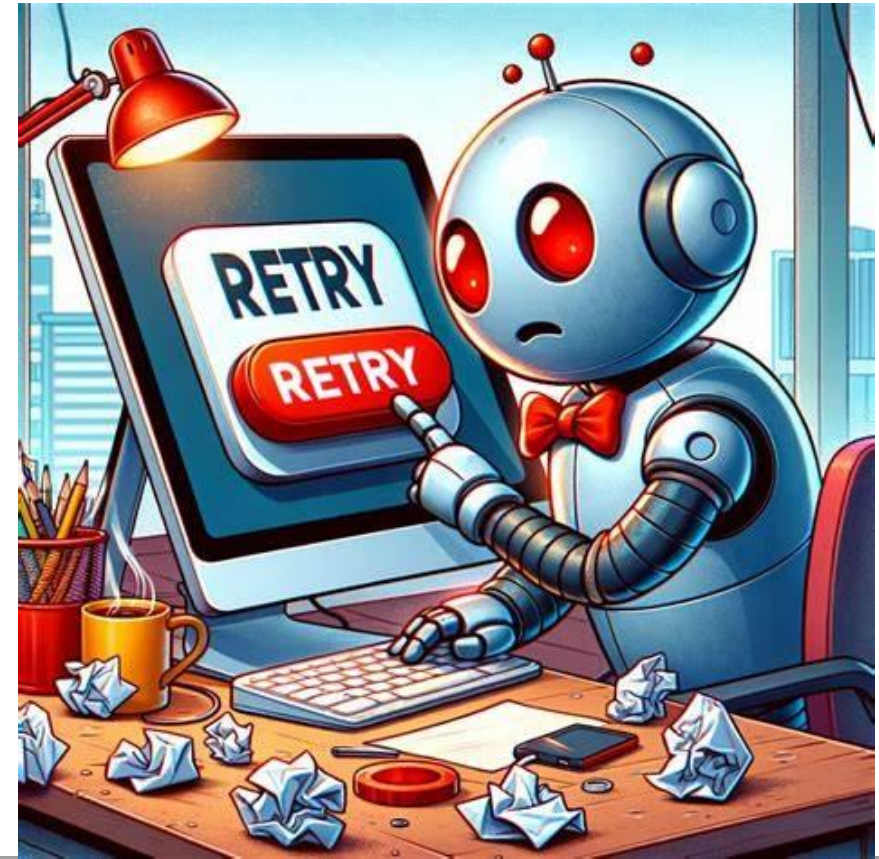


Learning 1 | My takeaways



Software Testing

- Software Testing is an important part of the software testing lifecycle
- Software testing helps to identify the correctness, completeness, and quality of developed computer software.
- The energy sector involves software in critical situations and this software needs to be tested thoroughly to be robust and resilient.

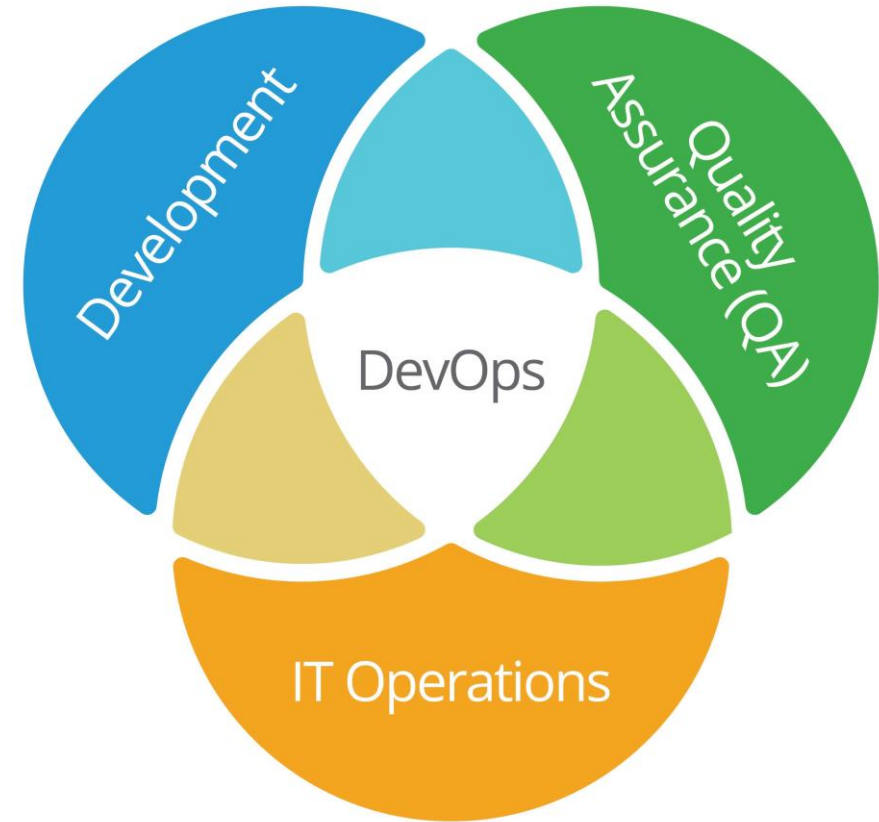


Learning 2 | My takeaways



DevOps

- DevOps is a culture to promote development and operation process collaboratively.
- As a result of DevOps implementation, the speed to deliver applications and services has increased.
- In the energy industry, DevOps will allow the speed of application delivery to be increased.





Learning 3 | My takeaways

DBMS

- Database Management Systems or DBMS is the practice of using databases, or collections of interrelated data which is used to retrieve, insert and delete the data efficiently.
- DBMS can also be used to organize data into tables, schema, views, are reports, etc.
- DBMS can serve as a good way to organize data in the energy sector for application development.



Relevance of learnings for my organization

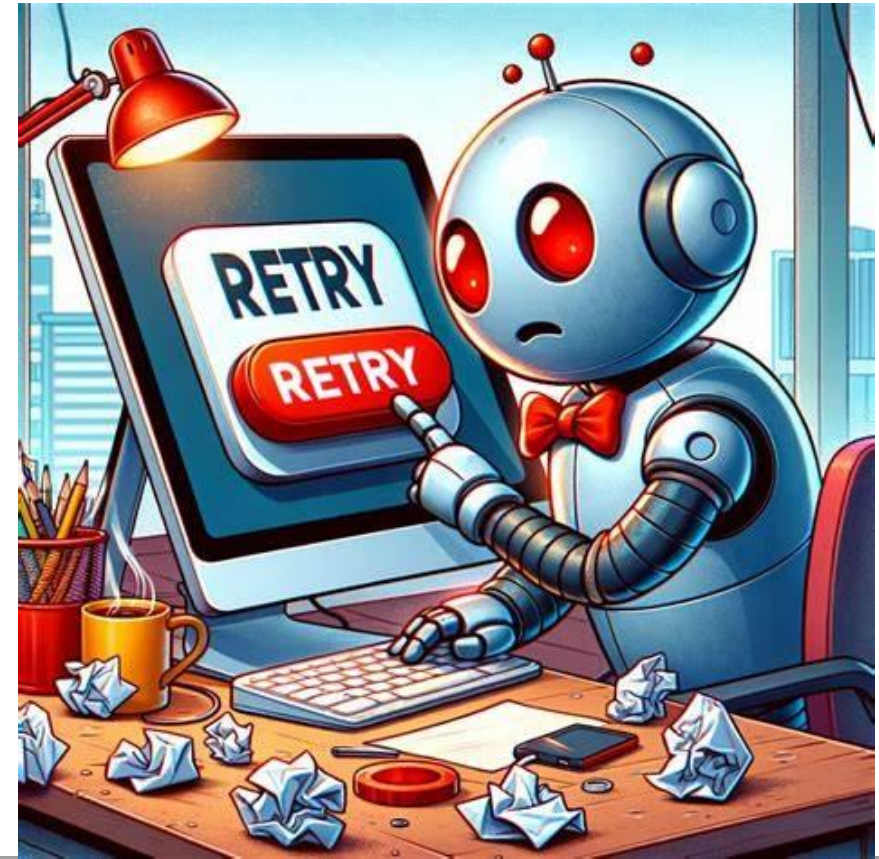


Learning 1 | Relevance for Shell



Software Testing

- Well tested software always leads to more efficient and resilient workflows in companies.
- Furthermore, thorough software testing helps developers get better at their work by practicing.

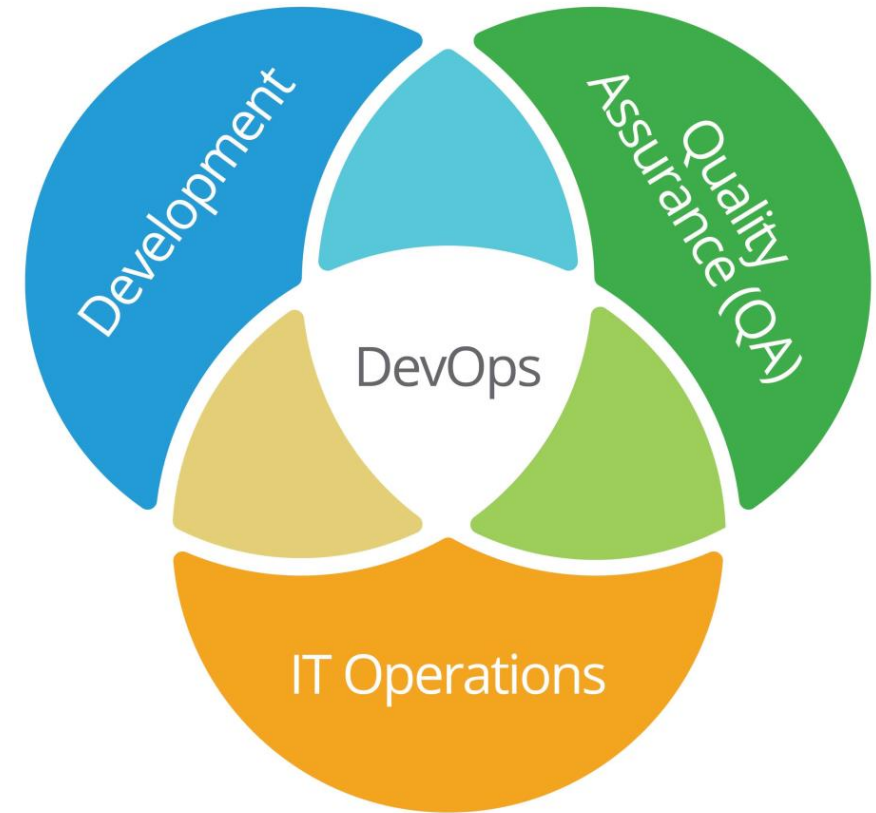


Learning 2 | Relevance for Shell



DevOps

- DevOps leads to better organization in development, leading to speeding up of development, maintenance, testing, and other practices.
- Also, DevOps can lead to higher production levels due to increasing collaboration.



Learning 3 | Relevance for Shell



DBMS

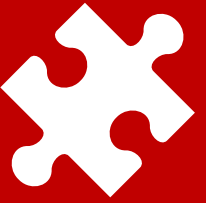
- DBMS can centralize data storage, making it easier to manage and access information across Shell.
- Furthermore, it ensures that the data received and used is consistent and accurate using validation rules.



Challenges in implementing learning

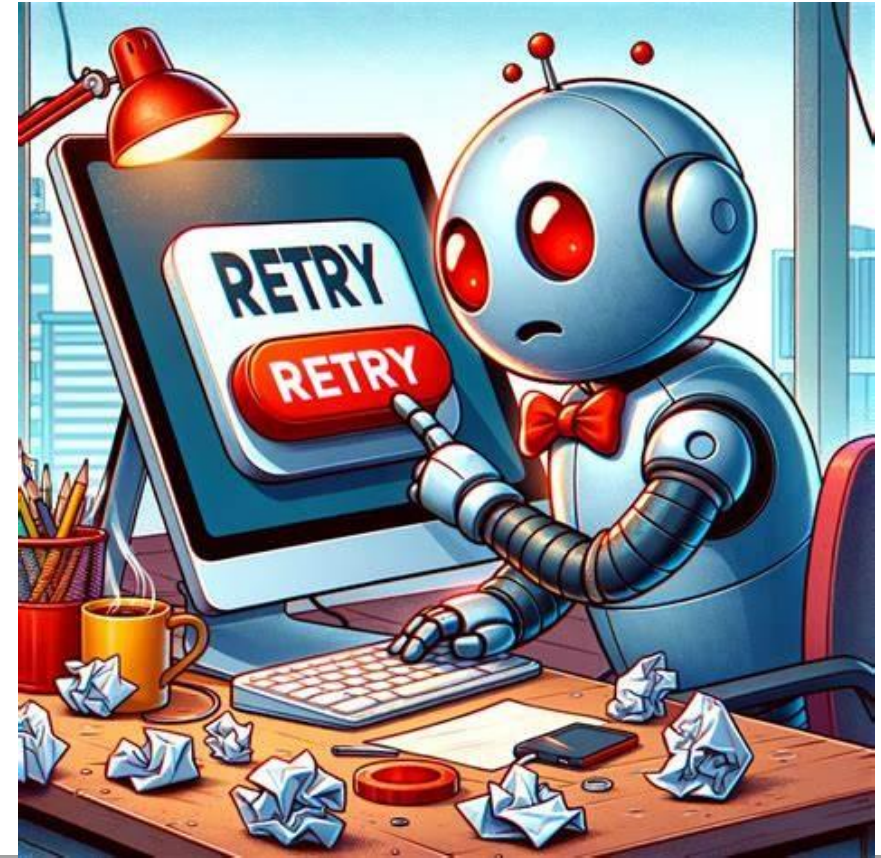


Challenge faced while implementing Learning 1

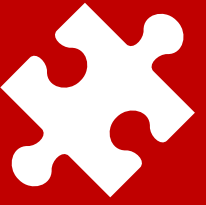


Software Testing

- Having mostly worked alone or in very small teams on projects, we did not have dedicated testers, and therefore I am unfamiliar with most of the concepts involved in software testing.

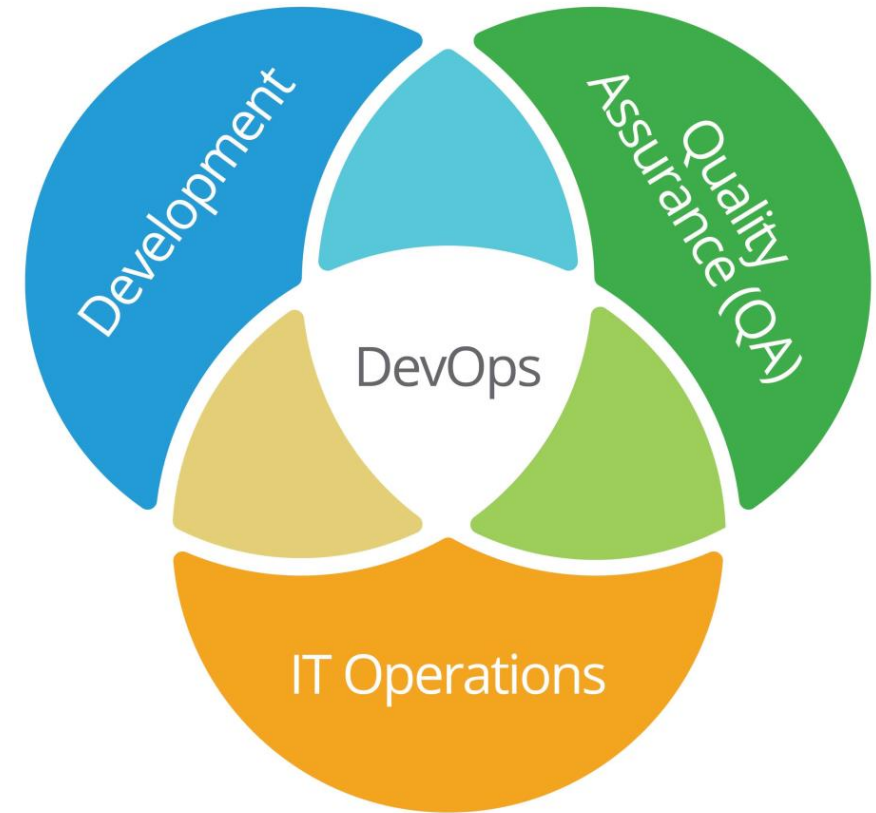


Challenge faced while implementing Learning 2

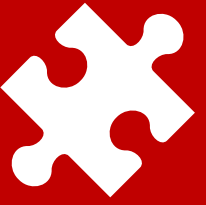


DevOps

- Working mostly in an ad-hoc style while implementing projects in the past, DevOps has been a foreign concept for me, making it a difficult thing to understand at first for me.



Challenge faced while implementing Learning 3

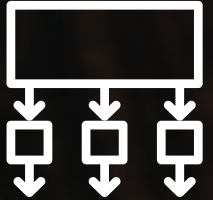


DBMS

- The heavy theory involved behind DBMS can make DBMS difficult to understand at first, and I do admit that this was true for me at first. However, DBMS, once the theory is covered, becomes an easy-to-use and powerful tool.

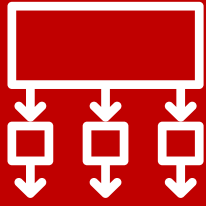


Action Plan



My Action Plan for this Week

Actions	Timeline	Status
I planned to learn software testing, DevOps and DBMS.	Across the week I planned to attend sessions on the same topics, while reading up on the same on my own.	All sessions were attended, and I did some reading on my own for the learnings.



Summary



- The topics discussed in the second week are topics that are common all across in development.
- Furthermore, the topics, being software testing, DevOps and DBMS, all contribute to more efficient and higher quality software with a high degree of collaboration between developers.

The background of the slide is a dark, textured surface with a pattern of glowing, golden-yellow lines and characters, reminiscent of the 'Matrix' digital rain effect. The characters are small and appear to be falling or flowing downwards, creating a sense of motion and digital data.

Thank You