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Exercise: DevOps Planning & Research

You are starting as a Junior DevOps in a IT Company. You get assigned to a new Project that develops software solutions for Banking systems. Currently, you are single devoted DevOps engineer on that project with mixed team members (Devs, QA, PM's etc). Before the Kick-off of the Project, you are given the task to plan and research the best practices for the project.

1. Explain what steps you are taking for planning and research?

First of all, I will get familiar with the bank industry system templates and best practices and the requirements needed for the concrete one as using different internet resources or getting information from more experienced colleagues in our team. Secondly will choose the correct tools for my part of the project to optimize the development process. Finally will divide my part in the project into subtasks in order for my work to be more clear and manageable.

2. How would you describe the process for DevOps best practices to your colleagues?

With the constant development of features and functionalities, a neverending collaboration between the different departments related to the project, using different tools and methodologies to make the process quicker, reliable and productive offering integrated systems to handle all sort of changes on the way and prevent future conflicts ensuring the quality of the infrastructures and code itself. Constant monitoring and test automation in order to reduce the time testing and eliminates repeatable operations.

3. How would you organize your time for planning and research?

My time will be organized as the following: first will do the needed research as checking all the resources containing the information regarding the project and collaborate with other team members and after having the required knowledge will step forward into distributing the tasks for completing my part of the project.

4. What methods and tools are you using during this process?

I would use agile project management tools as they simplify the stages of project management, from project planning to development to testing and creating a long-term product roadmap. The best agile project management software improves team efficiency, financial performance, and customer satisfaction

5. Describe the short (imagined) presentation of your research and planning, for your team briefly:

Greetings, Team. Let me introduce you to what I managed to research and what I plan for my part of the project. I've checked projects from already completed and successful ones and used different internet resources. After gathering all the information I've decided in order to make messages to be sent automatically to every client using our bank system to implement triggers so they will be in touch anytime with their bank transactions.