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?

We start to see the project and needs of the project. After we establish the needs of the project we start to research all the tools that best suits project needs. After that we start to planning how everything should be done and what tools we gonna need in order to serve best for the project.

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

I can start by telling them that all tools that we agree on and that we are gonna use are best for project needs, that the processes we use should make life easier for every department (devs, qa, etc.) and by using and adopting that processes and tools project will be stable, fast and easy to develop.

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

I’ll start first with research and after I had enough data and information about the project and best practices I’ll go with planning and prioritizing the objects and divide into small tasks.

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

For research we have used google and stackoverflow and for the planning we use tool like Miro to brainstorm and find a way to get best of planning and after that we use Jira to create and divide all that into tasks.

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

By doing the research we find that since is banking software we need to make sure everything is super secure so we are adding more attention to the security while we create and develop everything. We will use tools like git for version control, we will use Jenkins for pipelines, we will host/deploy our app on aws instances. And about planning we decided that all processes will be divided in small tasks and we will go in two weeks sprints and lastly about our infrastructure we will use microservices to make sure that our app never go all down but only small parts that we will fix faster.