**What Is DevOps?**

**Devops is a culture or practice following by organization to improve ability to deliver an application. Devops is also about automation, quality and monitoring. One more important aspect is testing and CI/CD (continuous integration continuous development). Devops is all about the improving efficiency.**

**Why Devops?**

**To improve the process of delivering an application.**

**How to introduce yourself as a Devops Enginner?**

**I am working as a devops engineer since last 2 years. Before that I was working as a server administrator. In the current organization I take care of automation, I ensure the maintaining the quality of the application and set up continuous monitoring. I have automated the testing process in the Devops lifecycle.**

**First, we need to understand SDLC (software development life cycle).**

**1.Planning/Requirement**

**2.Defining**

**3.Designing**

**4.Building**

**5.Testing**

**6.Deploy**

**It is a waterfall model which we have learned in engineering. However, in industry agile model is popular.**

**Devops engineer mainly focused on building, testing and deploy part of the SDLC. Here, he has to use automation. He is improving the process to deliver the code quickly.**

1. **Developer: He/She will write a code in any language. That can be c, c++, java. Devops engineer does not write a code it’s a developer job.**
2. **Build: It is executable file of your project.**
3. **Test: Software testing team will perform testing.**
4. **QA:** **Quality assurance team will check interface, user friendliness of project. Further IT manager will ask his team to install the project application on inhouse server for thorough testing.**
5. **Deploy**: **Deploy the application at client side.**
6. **Maintenance + employee training: check if any issue observes once application started running and provide training to their employees or our own employees who seated at client side.**
7. **Monitoring:**  **Monitor the application performance. We can charge client for monitoring and maintenance.**