**Project Title: Distributed Builds**

**Project objective:**

Configure Jenkins to set up a master and slave node to run distributed builds

**Background of the problem statement:**

You’re a DevOps engineer at PiperChat, a video chat company that started out as an internal communication tool. PiperChat has since expanded as a popular video calling app with multiple features like various image and voice filters. The company wants to make the build more efficient since the stack has grown. You’re required to configure a master-slave Jenkins architecture to reduce the load on the single Jenkins instance. The company is also considering moving to the Cloud and wants to use this as a pilot. You’re asked to set up a Jenkins slave node on an AWS EC2 machine while retaining the on-prem Jenkins instance as the master.

**You must use the following:**

* **Git:** As a version control system for the program
* **Jenkins:** To create the build pipeline
* **Spring boot:** To create the Maven project
* **Maven**: To compile the program
* **AWS EC2**: To run the slave node

**The following requirements should be met:**

* The app should be built with Maven.
* The architecture should have one slave node on an AWS EC2 machine and a local master node.
* The master node should only manage slave nodes and all build jobs must be run on the slaves.