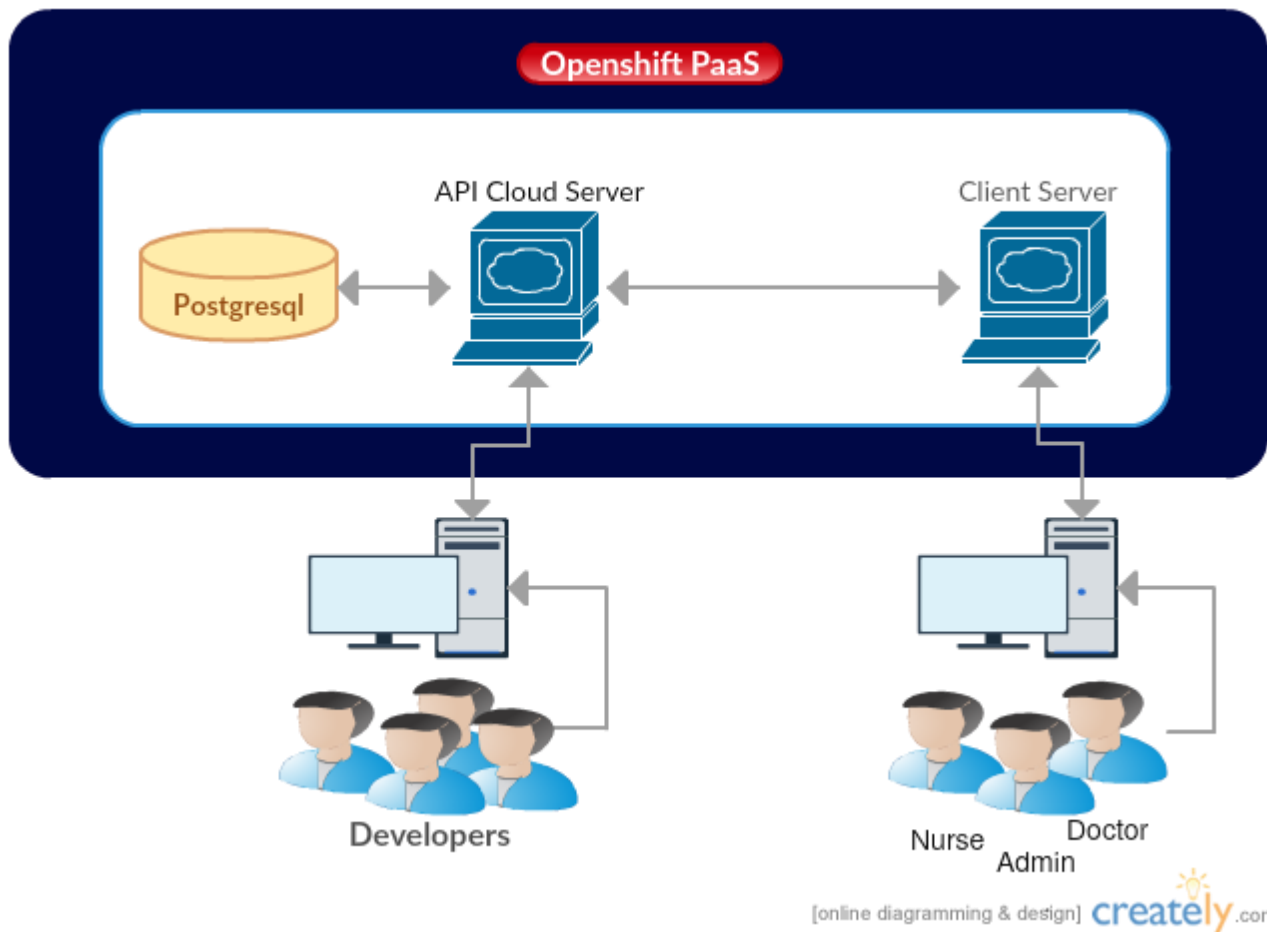# Software Architecture Diagram

In using OpenShift PAAS, we used two gears. One gear is for our API Cloud Server. This API Cloud Server contains Postgresql, Python. The other gear is for the Client Server which contains PHP 5.4. The user, either the Nurse, System Administrator and Doctor, directly interacts with the User Interface(UI) of the system and the UI takes the inputs and sends it to the Client Server. The User Interface and the Client Server is a two-way interaction. Once the Client Server has accepted the user's inputs, it then sends it to the API Cloud Server. The API Cloud Server is the brain of the system. The interaction between the API Cloud Server and the Client Server is a two-way one. Once the API Cloud Server verifies the request from the Client Server, the API Cloud Server then sends it to the Postgesql Database. The API Cloud Server and the Postgresql Database is also a two-way interaction. Once the Postgresql has finished doing its query, it returns a response to the API Cloud Server, and then the API Cloud Server returns a JSON data to Client Server and then the Client Server implements the action to be done in the UI.