In today's world if you say you don't interact application with microservices may not be true. Nowadays, every person has to interact with the microservices intentionally or unintentionally. The daily life use of microservices are following.

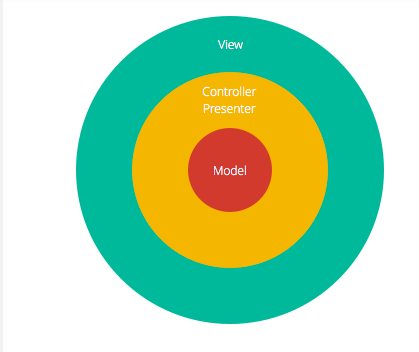
One of the most common taxi app uber is using microservice architecture

Netflix is one of the companies who is the first company to start using microservice and get an excellent result.

Before moving toward the microservices let's discuss the other software engineering Architecture.

# Layered Architecture

in this architecture, the application is divided into three layers as shown in the figure

The modal layer is simple the database. just above the database is the controller Presenter which contains business logic and information about the types of data in the database. furthermore, the top layer is view layer or presenter layer which is simple the frontend usually written in HTML, CSS, etc.

the biggest advantage of a layered architecture is each layer can focus on its role.

Event-driven Architecture

Program written with event-driven architecture mostly wait for an event to occur. when there is any need for the module to execute it is called otherwise it waits for the interruption. An example of this architecture can be on the web page where the small module reacts when the event occurs like a mouse click or keystroke. This module gets activated when the event concerning them is interrupted.

Space-based architecture

The website is alive until and unless the database can handle the load. If a database cannot handle it the website will be failed.that is the reason why space-based Architecture is very use full. The phenomena of working are it splitting up both the processing and the storage between multiple servers. The data is spread out across the nodes just like the responsibility for servicing calls.

Monolithic Architecture

Monolithic is an approach in which all code is in one piece. Monolithic application has a single code base with multiple modules.