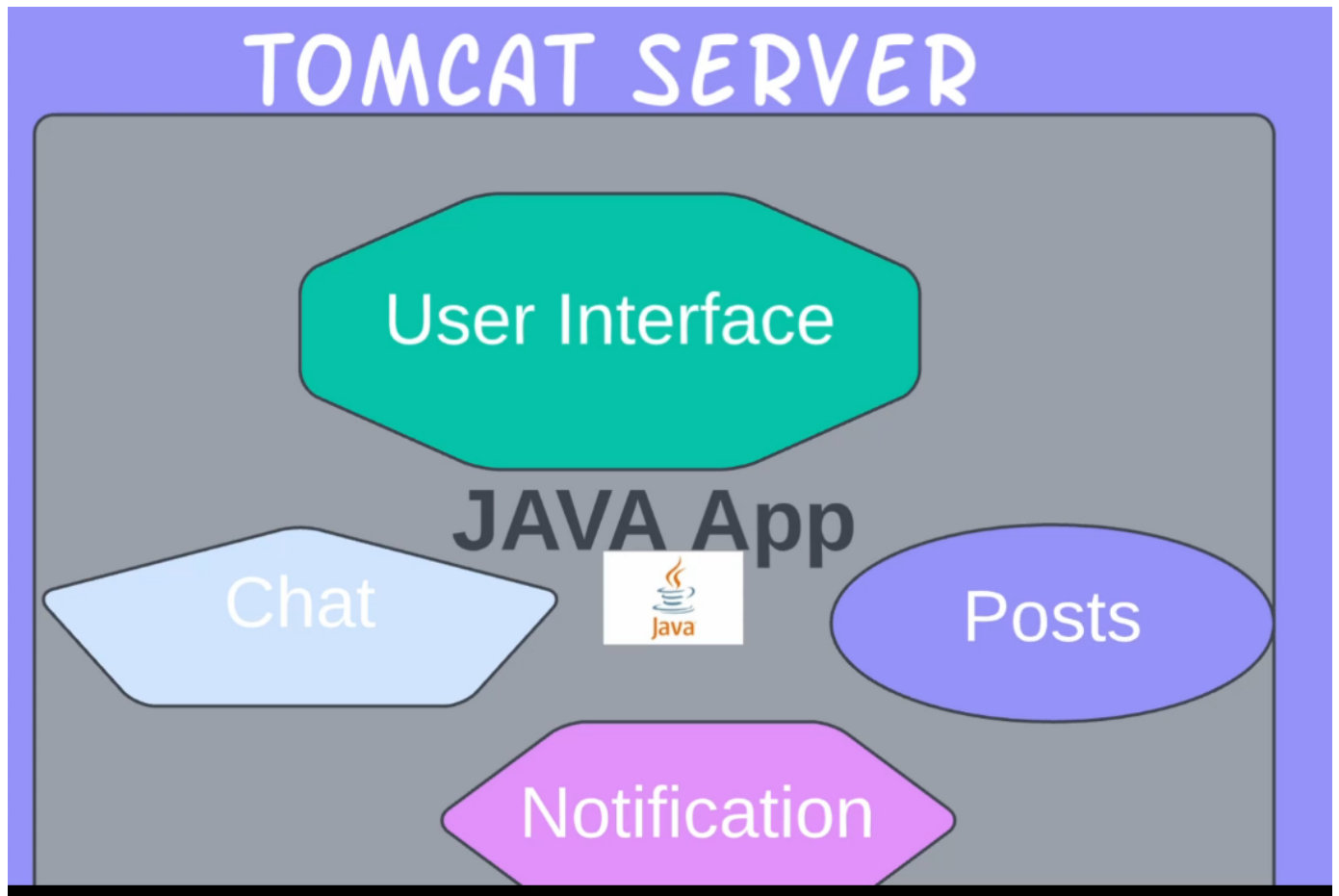


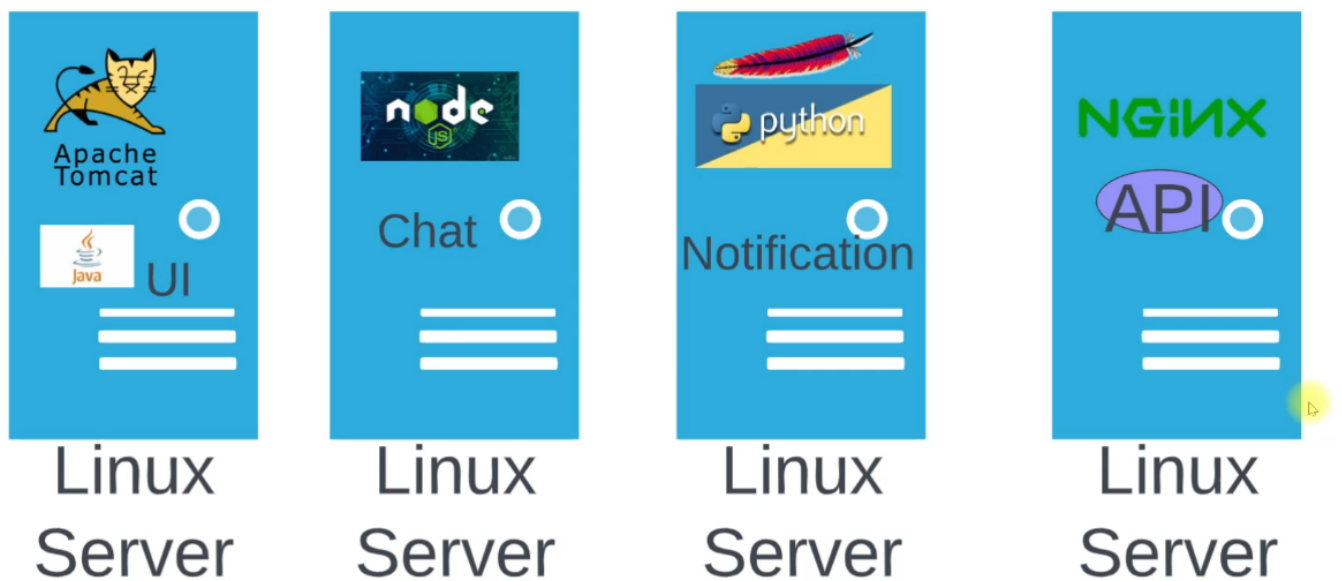
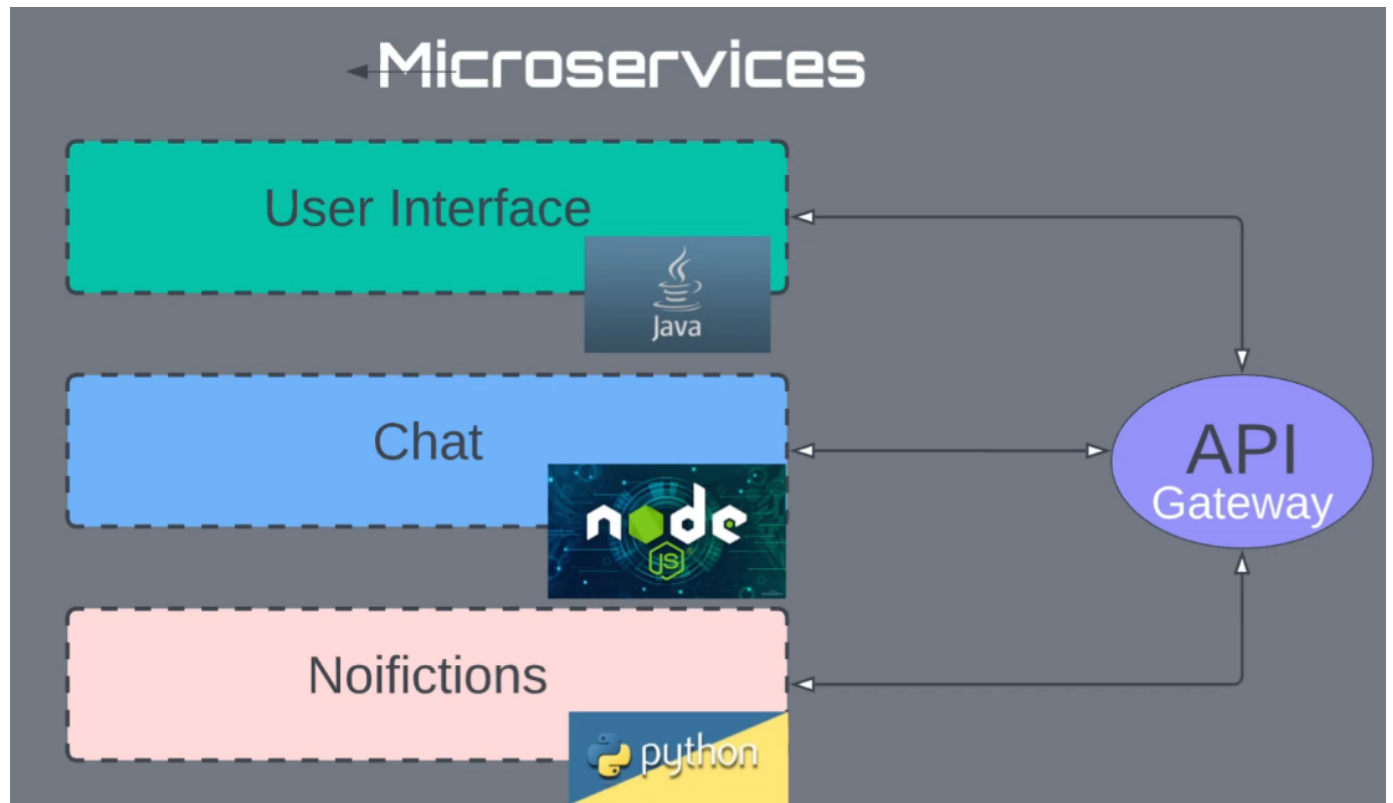
10. Microservices



all the things are **subservices**.

this is called monolithic. (Which means everything is written in one language)

so what is microservices and how is it different?



with microservices everything can be developed independently they can have their own languages and libraries. But they need their own server. so for saving the cost of multiple server we can easily contanairze it.



so this is why microservices, container and docker they are very good with each other.

from AWS perspective what are microservices

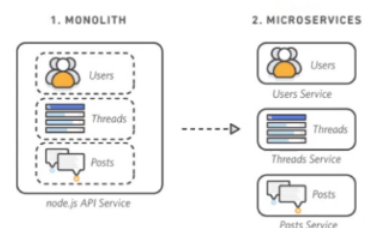
What are Microservices?

Microservices are an architectural and organizational approach to software development where software is composed of small independent services that communicate over well-defined APIs. These services are owned by small, self-contained teams.

Microservices architectures make applications easier to scale and faster to develop, enabling innovation and accelerating time-to-market for new features.

Monolithic vs. Microservices Architecture

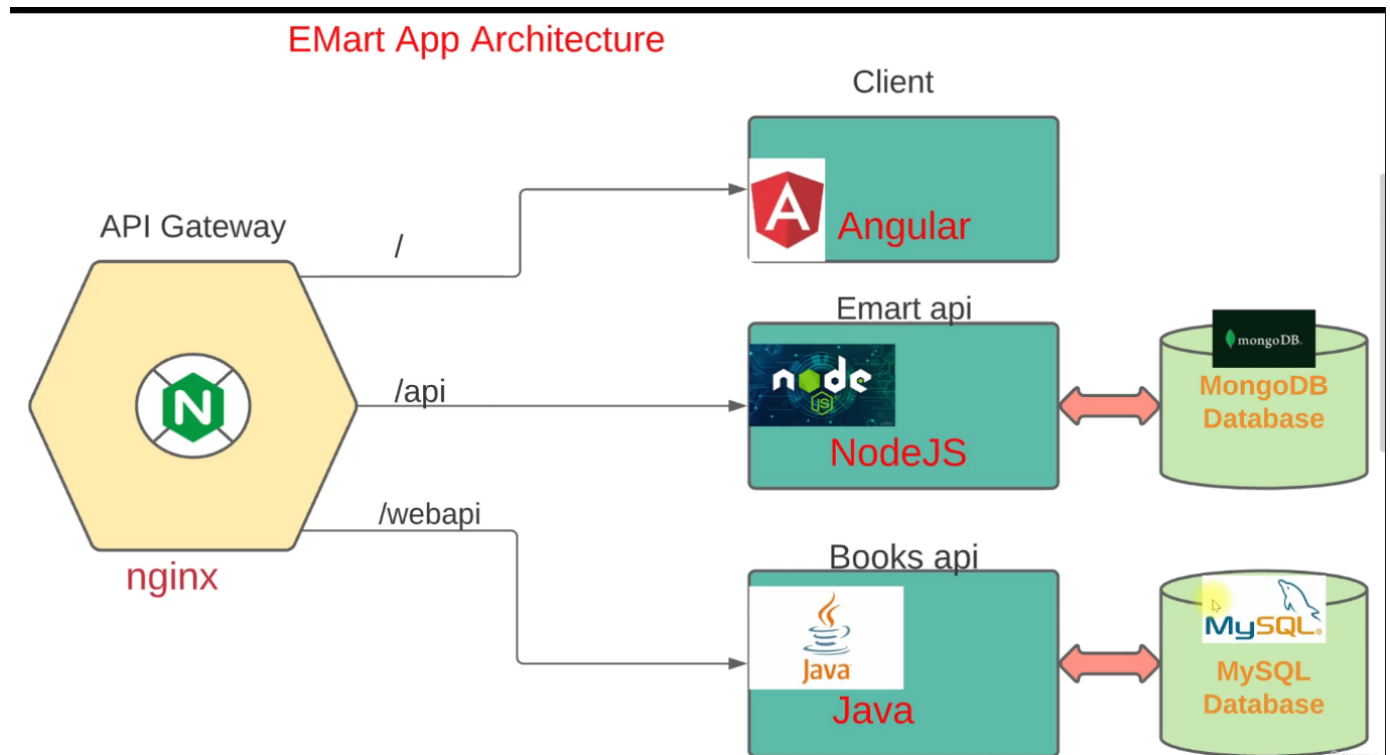
With monolithic architectures, all processes are tightly coupled and run as a single service. This means that if one process of the application experiences a spike in demand, the entire architecture must be scaled. Adding or improving a monolithic application's features becomes more complex as the code base grows. This complexity limits experimentation and makes it difficult to implement new ideas. Monolithic architectures add risk for application availability because many dependent and tightly coupled processes increase the impact of a single process failure.



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Running project in Microservice



This is our application the files will be in the github repo

