

# Arquitectura de una aplicación

#### **Back-end**

Consiste en...

- Servidor
- Aplicación
- Base de Datos

## Developer Roadmap

github.com/kamranahmedse/developer-roadmap

## Un back-end es un diseñador!

### ¿Arquitectura?

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The architecture of a software system is a metaphor, analogous to the architecture of a building. It functions as a blueprint for the system...



## ¿Arquitectura?

66

Software architecture is about making fundamental structural choices which are costly to change once implemented.



#### ¿Arquitectura?

- "Monolítica"
- "Distribuida"
- "Híbrida"
- Orientada a Servicios (SOA)

## Service Oriented Architecture

Es auto-contenida (self-contained)

Es una caja negra para sus consumidores

Representa una actividad de negocio con un fin específico

## **Web Services**

**SOAP** 

**RESTful HTTP** 

GraphQL

#### **SOAP**



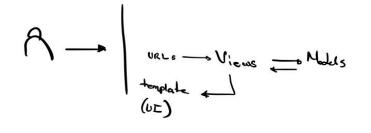
#### **RESTful HTTP**



GraphQL



- ₽ **→ 1U** •
- · La aplicación es responsable por múltiples toreas

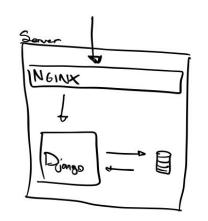


HTML Forms

Not async!

Stif condition %5

<p



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I Database

J Media

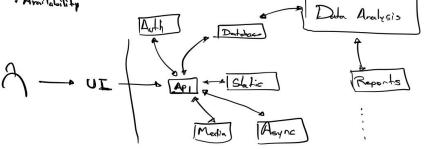
1 Async tasks

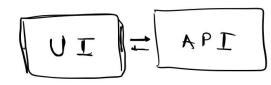
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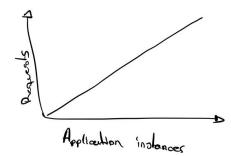
Distributed System Architecture

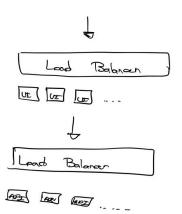
- · Abstact
- · Reliability
- · Arailability

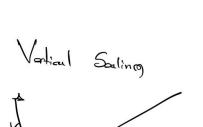




Horizontal Sading







Resources