

OPEN SOURCE FRAMEWORKS

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Project Name	Efficient water quality analysis & prediction using machine learning
Maximum Mark	2 Mark

INTRODUCTION

Decentralized apps do not have much difference than standard apps for an end-user. Block chain is the reason that makes D Apps different and much superior. User interface and front-end code of a decentralized app can be built by a developer in any language that can be helpful to call the backend. This backend code will be placed on a decentralized peer-to-peer network, and on the other hand, all the operation records of the app are collected on the Block chain

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Big Chain DB

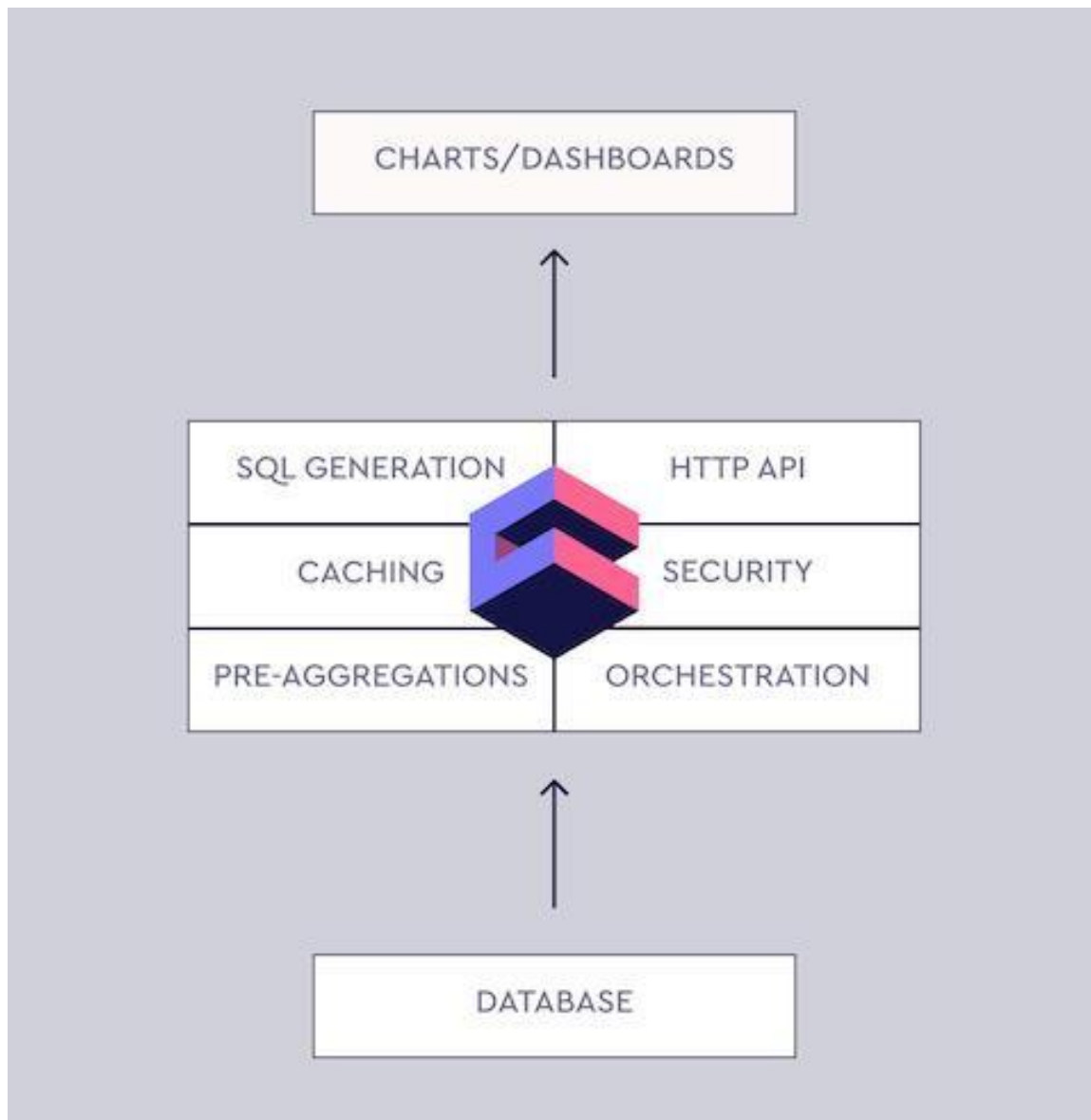
It is a **d Apps framework** developed for collecting huge data amounts and allows developers to supply block chain apps and proofs-of-concept. Its database offers low latency, decentralized control, strong query functionality, immutability, and high-speed process of the transaction.

It is based upon the Federation Consensus model and a federation of nodes including voting allowance. It includes areas like human resources, intellectual property, etc.

Hyper ledger Cello

It is hosted by the Linux Foundation and has the purpose for eliminating the efforts of developing and handling the block chains via issuing on-demand 'as-a-service' placed models to the Block chain ecosystem. It is also

helpful to develop the BaaS (Block chain-as-a-service) platform and handle the block chain lifecycle



Advantages of Utilizing Open Source Frameworks for Web Development

Cost-Effective:

Open source frameworks are available freely even for commercial use, unlike proprietary frameworks. Those who are budget-challenged can always start small,

explore open-source frameworks for web app development and scale their project up later-on. These frameworks also come with free updates and higher security reducing the burden on administrators.

Ensure Stability:

progressive web app framework to operate efficiently and to deliver the desired results. Utilizing open-source frameworks allows developers to modify the application and extend the framework to suit their objectives.

Offer F :

Open source frameworks often have minimal restrictions, allow developers to work on their projects with complete freedom and do not come with any licensing issues. This flexibility enables developers to come up with creative applications.

Talent Availability:

Developers around the world are well-versed in using open source frameworks for their projects. Skilled developers create multiple projects with open source frameworks and are readily available for hiring. You can get your web applications developed faster with the help of an outsource mobile app development company.

Open Source frameworks are preferred and endorsed by many software developers as they simplify code reusability by providing readymade templates and libraries to access the database and session management. With multiple open source frameworks available in the market, it is important to select the right framework for your web development project. To solve this predicament, you can refer to the below list of the top 10 open source frameworks for Web Development: