Database Engine: MariaDB

MariaDB is an database engine that directly compete with MYSQL and as of now, it appears to surpass it.

We have chosen it for a variety of reasons:

* More cutting edge features such as dynamic column support which allows us to get access to both SQL and NoSQL in the same database.
* A bigger variety of storage engines such as CONNECT which allows access to different kinds of text files and remote resources as if they were regular MariaDB tables and others and they come with the official release thus, there is no need to use 3rd parties
* MariaDB claims it has a much improved query optimizer and many other performance related improvements. Certain benchmarks show that MariaDB is radically faster than MySQL. Benchmarks don’t however always directly translate to real life situations. Faster is always better, even if it is just a bit faster.
* A lot less bugs and compare to othe DB engines, less warnings and thus, easier debugging in case of something wrong.

APi:

* Python : for the communication between the site and the database.