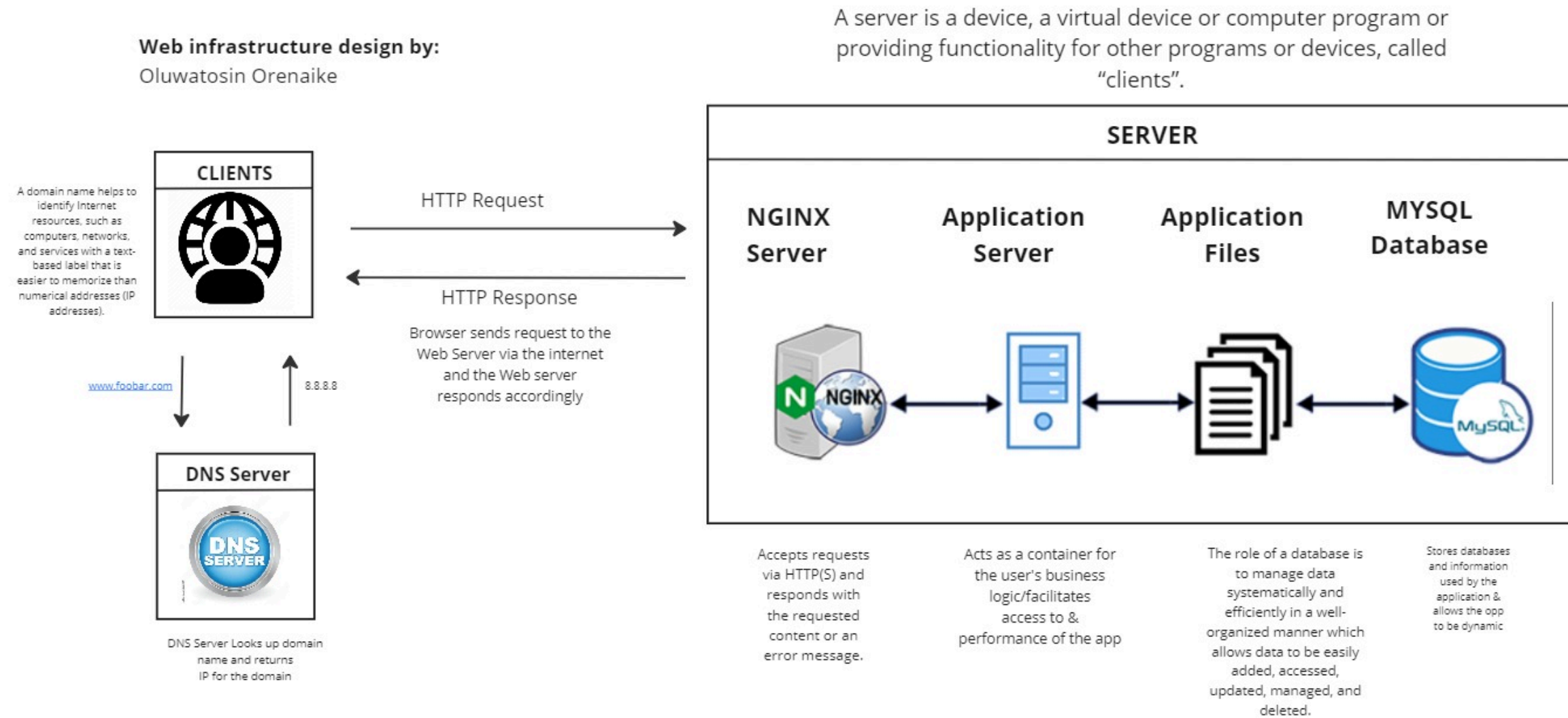


Web infrastructure design by:
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ISSUES WITH DESIGN

1. SPOF (Single Point Of Failure); There are a lot of single points of failures starting from having one server that contains only one web server, application server, and database. A single point of failure is a part of a system that, if it fails, will stop the entire system from working.

2. Downtime when maintenance is needed (incases of deploying a new code web server needs to be restarted); The downtime period might be longer than expected because the server is dependent on one code base which at that moment, isn't available. Users will therefore not be able to access the website and its contents which results in a bad user experience and loss of traffic.

3. Inability to scale if there are too much incoming traffic; The domain name points directly at the server hence doesn't contain a load balancer which allows handling increased loads easier. This poses an issue to the volume of users trying to access the website's content and can lead to poor user experience or rather set a limit to the number of users the website will be able to accommodate.