



DailyENews



universidade
de aveiro

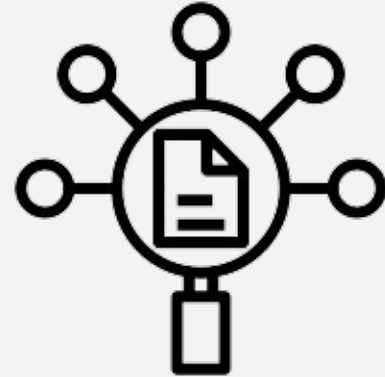
Pedro Amaral NMEC:93283
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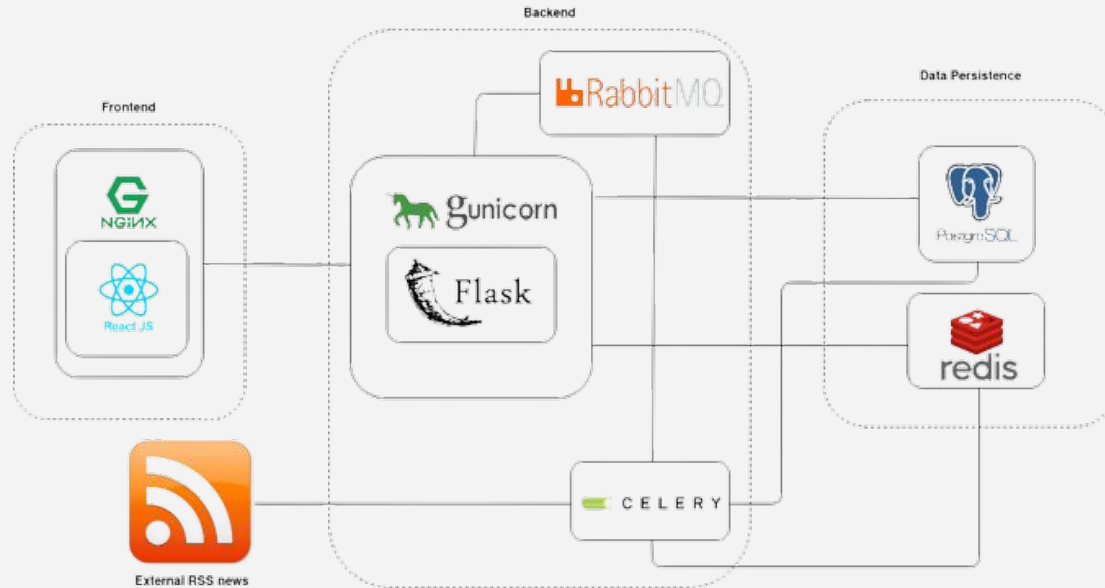
Introduction

DailyENews is a service that allows users to follow the news from several websites in a single platform.

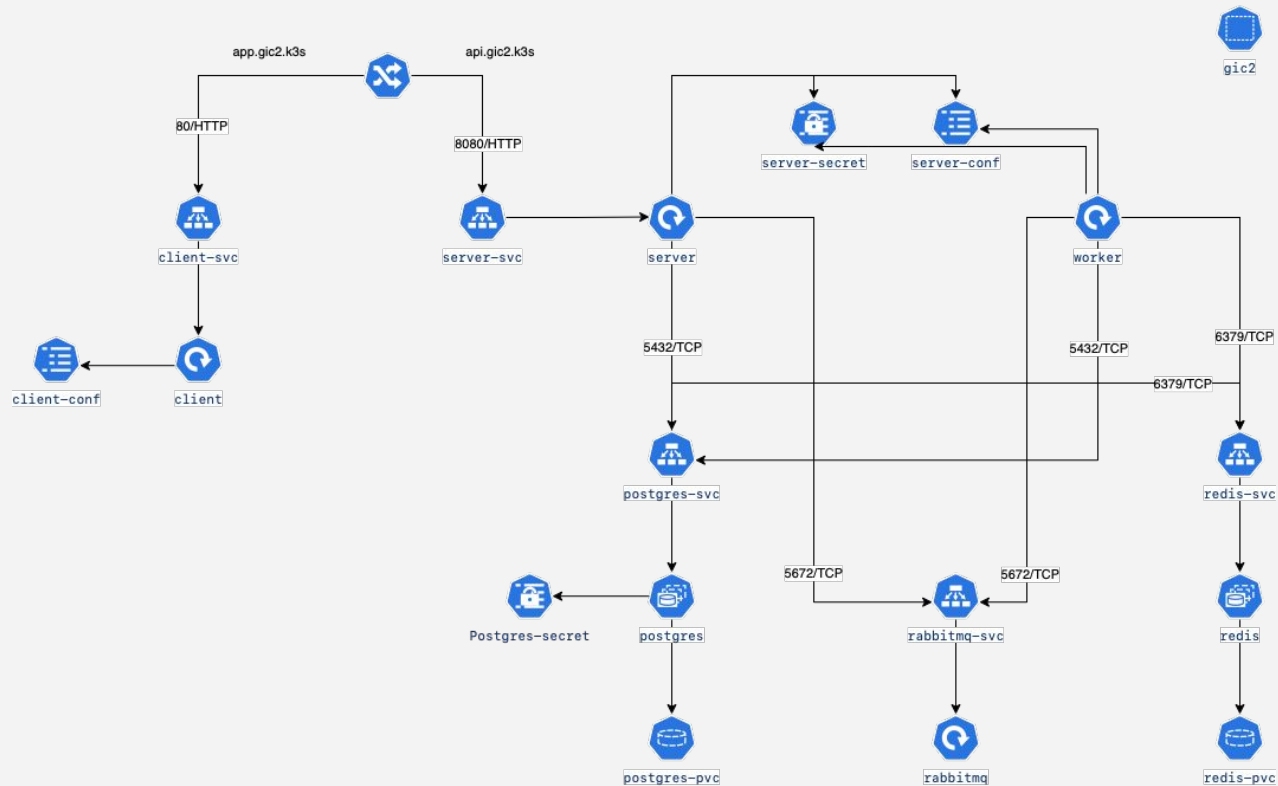
It is based on JARR (Just Another RSS Reader).



Architecture Diagram



Deployment Diagram





Project Highlights

- The docker images were redone to be based on simpler images therefore removing unnecessary dependencies as much as possible.
- Platform has two domains, one for backend and the other for the backend.
- Managed to perform replication on the stateless components.
- Managed to perform replication and data synchronization on Redis but it would require several changes to the server and the worker code to use it.
- Postgres and RabbitMQ replication was not achieved although there were several attempts.
- Anti-affinity rules to separate replicas of the same component in different machines.