

JOKSTER

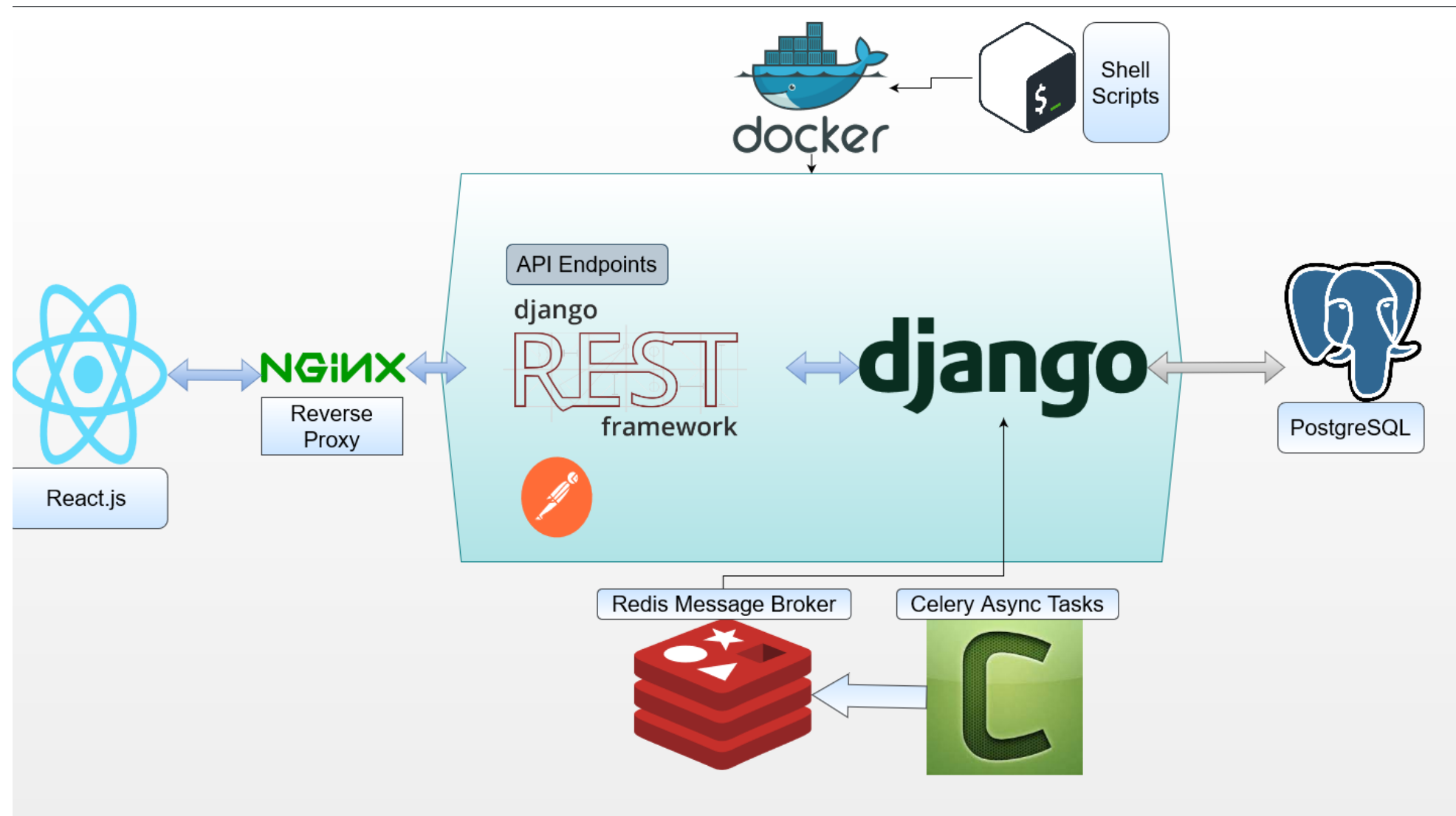
MEDIA SHARING APP

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SUMMARY

Jokster is a full-stack media sharing web application with an emphasis on the back-end API. The python framework Django is used to handle requests, models, the PostgreSQL database and authentication. The API endpoints are exposed through Django Rest Framework and consumed by the ReactJS front-end.

The chosen technology stack enables scalable and rapid development for various platforms whether it is a browser or native client.



BACKEND API

The back-end consists of multiple technologies that are packaged and containerized in Docker containers. Celery workers are used for asynchronous tasks queues and Redis acts as the message broker to handle the queues.

Nginx serves as a load balancer and reverse proxy to serve static and media files and also provides an extra layer of security.

CONCLUSION

Working on a full-stack system provided me with the opportunity to apply technologies I learned from different modules and learned new concepts from the base knowledge I gained. This gave me insights into how modern and complex applications are designed and build with the industry standard.

Further development on the project will extend my tool repertoire in the coming years.

