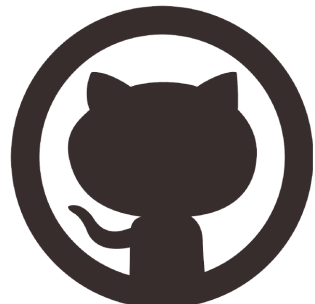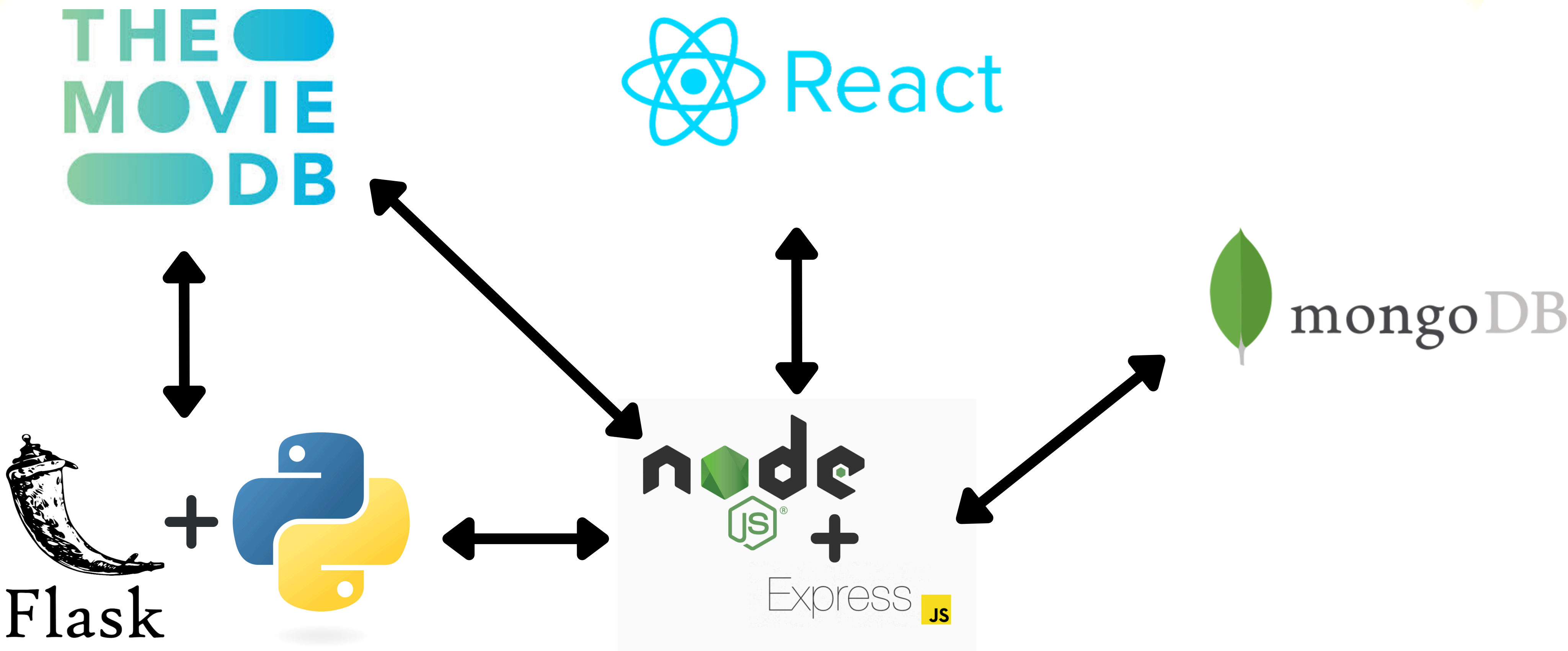# Reel Picks

Brook Kassa, Garrett Crowner, Nick Resto

Motivation

Reel Picks seeks to answer the question: "What are we going to watch tonight?" by providing an interface where users can find a movie that best fits their desires.

Features

- User account creation
- Movie filtering by Genre, ratings, style...
- Movie
- AI Movie Recommender

Architecture

THE MOVIE DB · React · mongoDB · Flask + Python · node JS + Express JS

Docker

{"uuid":{"$uuid":"f694054c-8563-4b5a-a352-35a3761d4021"}},"options":{}}}
{"t":{"$date":"2025-05-06T02:12:37.236+00:00"},"s":"I", "c":"NETWORK", "id":23015, "ctx":"listener","msg":"Listening on","attr":
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{"address":"0.0.0.0"}}
{"t":{"$date":"2025-05-06T02:12:37.236+00:00"},"s":"I", "c":"NETWORK", "id":23016, "ctx":"listener","msg":"Waiting for connections","attr":
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{"t":{"$date":"2025-05-06T02:12:37.275+00:00"},"s":"I", "c":"INDEX", "id":20345, "ctx":"LogicalSessionCacheRefresh","msg":"Index build: done
building","attr":{"buildUUID":null,"namespace":"config.system.sessions","index":"_id_","commitTimestamp":{"$timestamp":{"t":0,"i":0}}}}
{"t":{"$date":"2025-05-06T02:12:37.275+00:00"},"s":"I", "c":"INDEX", "id":20345, "ctx":"LogicalSessionCacheRefresh","msg":"Index build: done
building","attr":{"buildUUID":null,"namespace":"config.system.sessions","index":"lsidTTLIndex","commitTimestamp":{"$timestamp":{"t":0,"i":0}}}}

(node:26) [DEP_WEBPACK_DEV_SERVER_ON_AFTER_SETUP_MIDDLEWARE] DeprecationWarning: 'onAfterSetupMiddleware' option is deprecated. Please use the 'setupMiddlewares' option.
(Use `node --trace-deprecation ...` to show where the warning was created)
(node:26) [DEP_WEBPACK_DEV_SERVER_ON_BEFORE_SETUP_MIDDLEWARE] DeprecationWarning: 'onBeforeSetupMiddleware' option is deprecated. Please use the 'setupMiddlewares' option.
Starting the development server...

Compiled successfully!

You can now view **frontend** in the browser.

Local: http://localhost:3000
On Your Network: http://172.18.0.4:3000

Note that the development build is not optimized.
To create a production build, use npm run build.

webpack compiled **successfully**
Compiling...
Compiled successfully!

You can now view **frontend** in the browser.

Local: http://localhost:3000
On Your Network: http://172.18.0.4:3000

Note that the development build is not optimized.
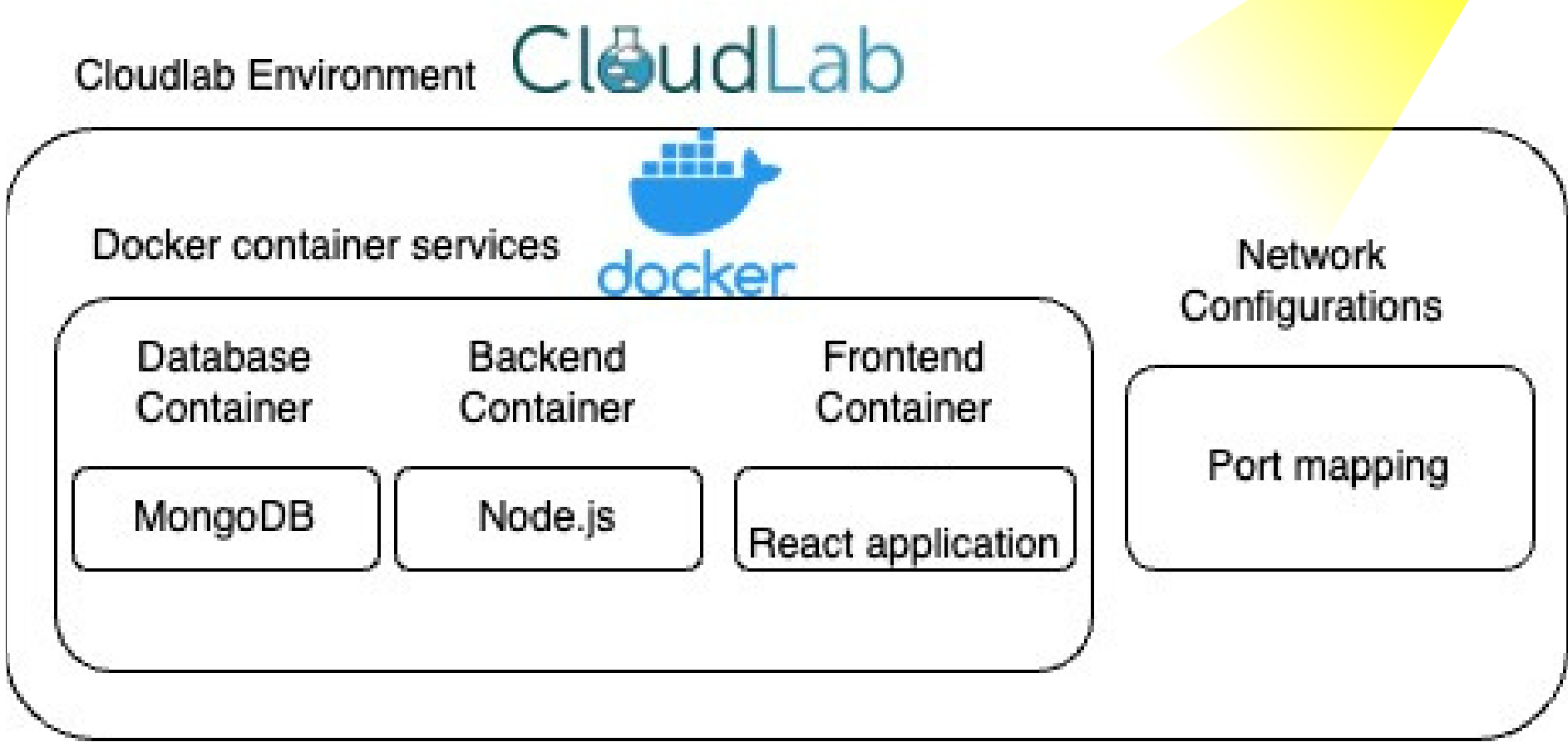To create a production build, use npm run build.

webpack compiled **successfully**

Cloudlab Environment — CloudLab

Docker container services — docker

Network Configurations

Docker container services			Network Configurations
Database Container	Backend Container	Frontend Container	Port mapping
MongoDB	Node.js	React application	

	Name	Container ID	Image	Port(s)
☐ ⌄ ●	project	-	-	
☐ ●	mongo-1	5bd225b6858e	mongo:4.4	
☐ ●	backend-1	4c8649d5cbf3	project-backend	
☐ ●	frontend-1	18bce38b9324	project-frontend	3000:3000