



universidade
de aveiro

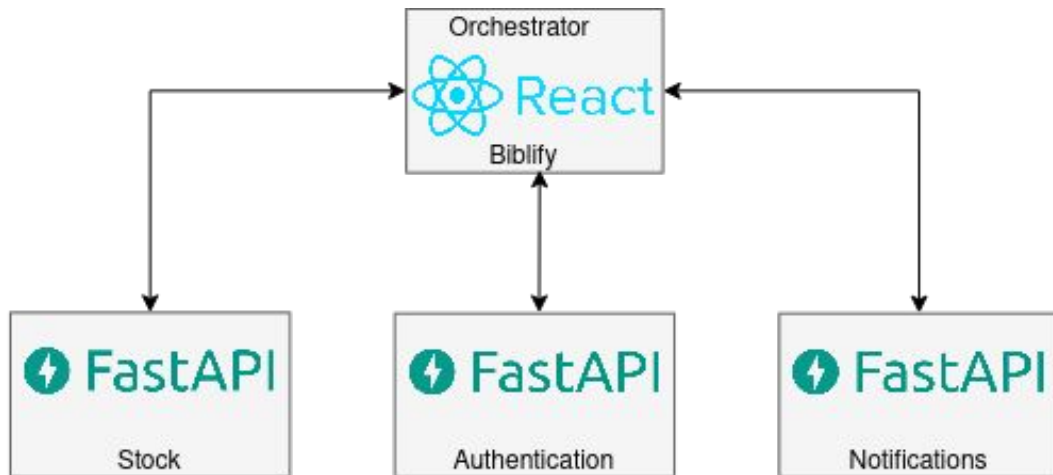
Biblify

Engenharia e Gestão de Serviços

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Santos (93173)
EGS_7



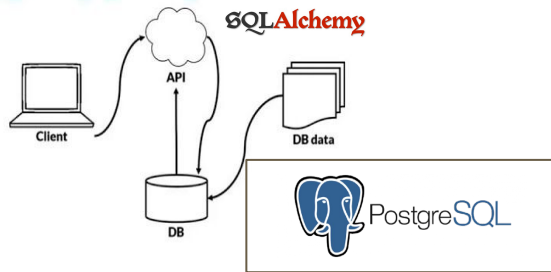
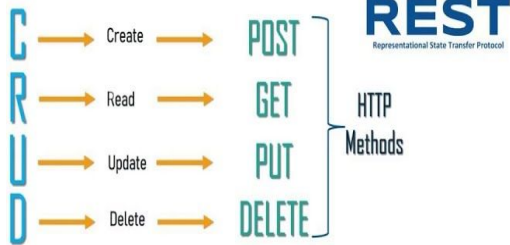
Arquitetura do Sistema- Serviços



Stock

API:

- Adicionar/apagar autores, livros, empréstimos
- Obter informação sobre livro, empréstimo
- Criar/apagar utilizadores

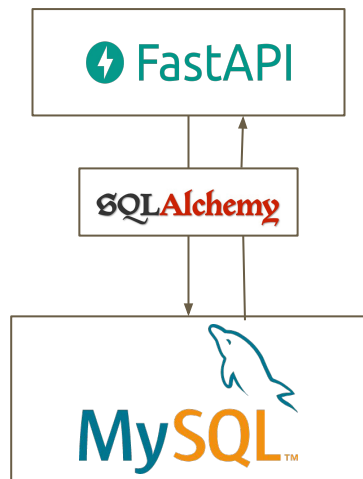


GET	/v1/book	Read Books
POST	/v1/book	Post Book
DELETE	/v1/book/{bookId}	Delete Book
POST	/v1/order	Post Order
GET	/v1/order	Read Orders
GET	/v1/author	Get Author
POST	/v1/author	Post Author
DELETE	/v1/author/{id}	Delete

Autenticação

API:

- Registar e autenticar os utilizadores



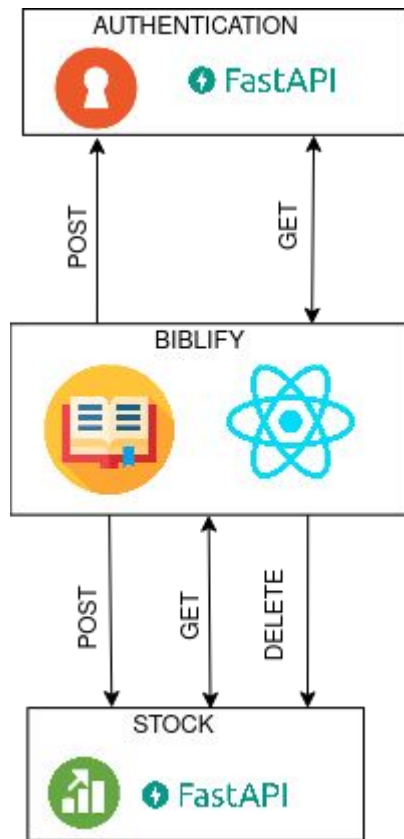
Users

POST	/v2/user	create user	⌵	🔒	↶
GET	/v2/user	get user	⌵	🔒	↶
DELETE	/v2/user /{id}	delete	⌵	🔒	↶
PUT	/v2/user /{id}	update	⌵	🔒	↶
PUT	/v2/login	login	⌵	🔒	↶
GET	/v2/logout	logout	⌵	🔒	↶



Front-End (orquestrador)

- Expõe o stock de livros existentes
 - Adiciona livros
 - Apaga livros
- Logs in/ Register de um utilizador
- Subscreve/gere notificações
- 2 réplicas(pods) para Load Balancing
- Ingress→ <http://biblify-frontend.k3s> para expor o serviço ao público



Diagrama

namespace egs7

