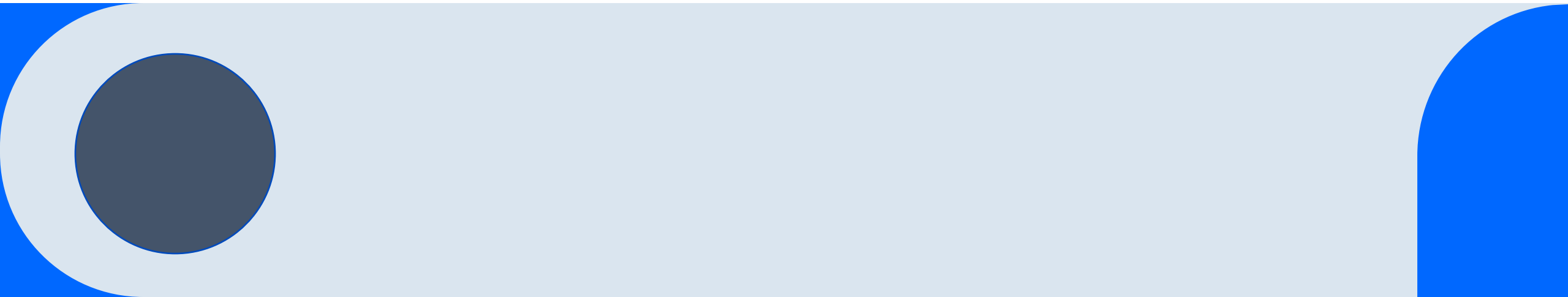
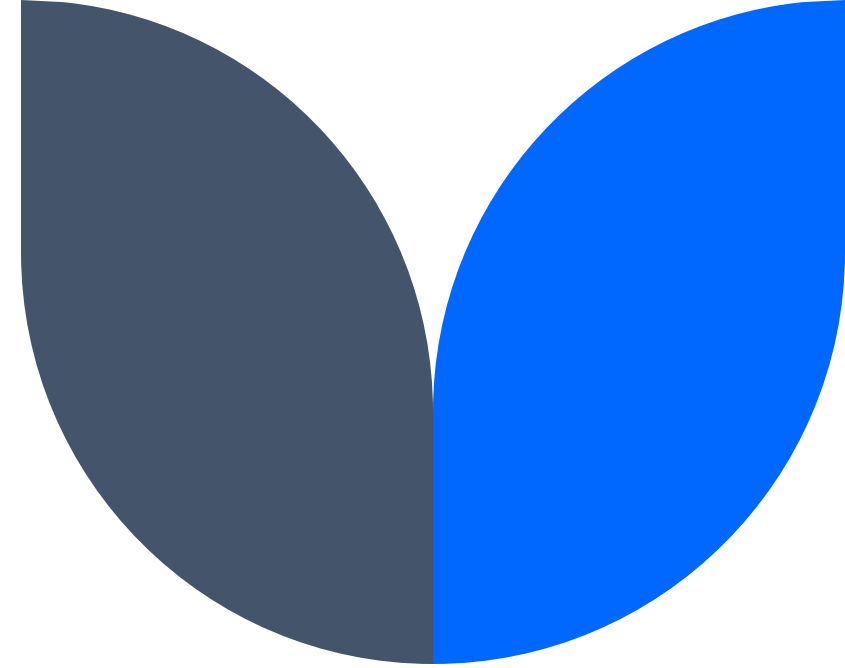




Proyecto SW II: Snapi

Khalid Belkassmi E.H., Elena Yunxin C.S., Enrique Collado Muñoz,
Jesús Marín Sánchez, Pablo Garay Pérez, Yolanda Llop Pellisa



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1. Grupo
2. La API
3. Tecnologías
4. Estructura y buenas prácticas
5. Datos
6. Demo

1. Grupo



6 Miembros

- Khalid Belkassmi E.H.
- Elena Yunxin C.S.
- Enrique Collado M.
- Pablo Garay P.
- Jesús Marín S.
- Yolanda Llop P.

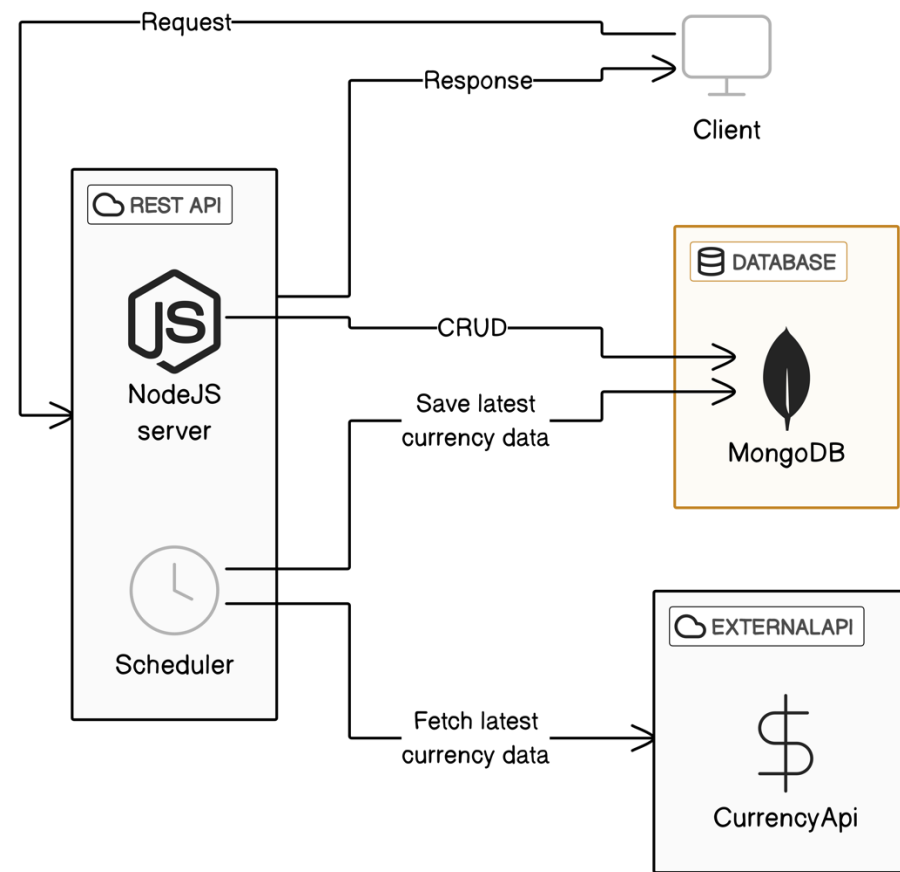
2. La API



SnApi

- API REST de sneakers (zapatillas)
- Pensada para una app de reseñas, con modelo de datos flexible y extensible
- Filtrado avanzado y conversión de precios por moneda en tiempo real

2. La API



3. Tecnologías



NodeJS & Express

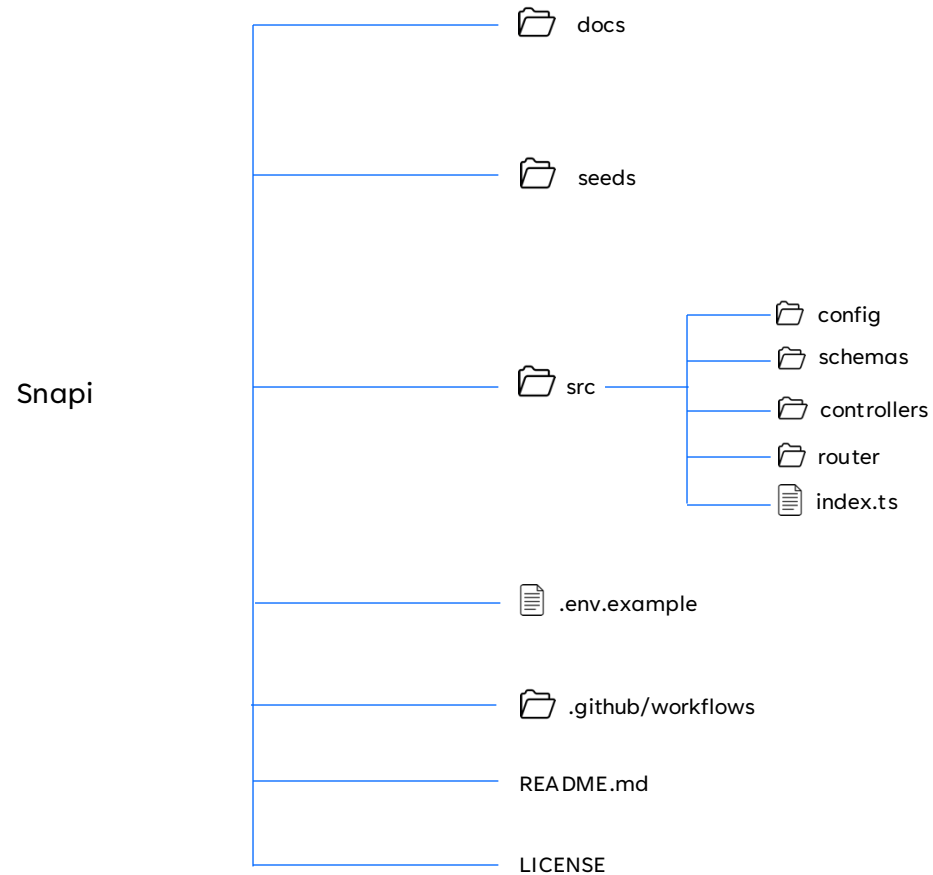


MongoDB



Typescript

4. Estructura y buenas prácticas
















Buenas prácticas

- Modularidad & Buena gestion de funcionalidades
- SoC = Mantenimiento Facilitado
- CI (Integración continua)

4. Estructura y buenas prácticas

42 workflow runs		Event ▾	Status ▾	Branch ▾	Actor ▾
✓ feat(docs): add link to API overview file	dev		15 minutes ago 20s	...	
Build #42: Commit 54b2325 pushed by khalidbelk					
✓ feat(docs): add note about tool used for API diagram	dev		18 minutes ago 31s	...	
Build #41: Commit 83f705b pushed by khalidbelk					
✓ Merge pull request #14 from KhalidCEU/feat/xml	dev		1 hour ago 23s	...	
Build #40: Commit 37c75c9 pushed by khalidbelk					
✓ feat: add XML response option to getSneakerReviews	feat/xml		10 hours ago 24s	...	
Build #39: Pull request #14 opened by khalidbelk					
✓ fix(openapi): readapt responses for consistency	dev		11 hours ago 27s	...	
Build #38: Commit a0f89d7 pushed by khalidbelk					
✓ Merge pull request #13 from KhalidCEU/feat/pagination	dev		12 hours ago 24s	...	
Build #37: Commit b43a098 pushed by khalidbelk					

4. Estructura y buenas prácticas

<input checked="" type="checkbox"/>	 Dev ✓ #15 by khalidbelk was merged 14 minutes ago
<input type="checkbox"/>	 feat: add XML response option to getSneakerReviews ✓ #14 by khalidbelk was merged 1 hour ago
<input type="checkbox"/>	 Feat/pagination ✓ #13 by khalidbelk was merged 12 hours ago
<input type="checkbox"/>	 Fix address property ✓ #12 by jesusmarin8 was merged 12 hours ago
<input type="checkbox"/>	 Dev ✓ #11 by khalidbelk was merged 11 hours ago
<input type="checkbox"/>	 Dev ✓ #10 by khalidbelk was merged 2 days ago
<input type="checkbox"/>	 fix(openapi): update openapi to match providers responses ✓ #9 by khalidbelk was merged 2 days ago
<input type="checkbox"/>	 Feat/reviews ✓ #8 by khalidbelk was merged 2 days ago
<input type="checkbox"/>	 feat: add providers ✓ #7 by khalidbelk was merged 2 days ago
<input type="checkbox"/>	 users ✓ #6 by Yolallop was merged 3 days ago
<input type="checkbox"/>	 Merge 'dev' into 'main' ✓ #5 by khalidbelk was merged last week
<input type="checkbox"/>	 Feat: add stores ✓ #4 by jesusmarin8 was merged last week
<input type="checkbox"/>	 Merge 'dev' into 'main' ✓ #3 by khalidbelk was merged 3 weeks ago

5. Datos

Carga de datos automática al lanzar el servidor,
si las colecciones están vacías

Obtención & guardado periodico de datos (currencies)
de una API externa

5. Datos

- 6 colecciones
 - 5 para entidades de la API
 - 1 para guardado de info. API externa
- 3 entidades interrelacionadas :
Users – Sneakers – Reviews

5. Datos

localhost:27017 > snapi

>_ Open MongoDB shell + Create collection Refresh

Sort by Collection Name

View

currencies Storage size: 53.25 kB Documents: 1.4 K Avg. document size: 84.00 B Indexes: 1 Total index size: 53.25 kB	providers Storage size: 20.48 kB Documents: 101 Avg. document size: 91.00 B Indexes: 1 Total index size: 36.86 kB	reviews Storage size: 20.48 kB Documents: 4 Avg. document size: 129.00 B Indexes: 1 Total index size: 36.86 kB	sneakers Storage size: 61.44 kB Documents: 1 K Avg. document size: 211.00 B Indexes: 1 Total index size: 53.25 kB
stores Storage size: 20.48 kB Documents: 7 Avg. document size: 68.00 B Indexes: 1 Total index size: 36.86 kB	users Storage size: 20.48 kB Documents: 4 Avg. document size: 95.00 B Indexes: 2 Total index size: 73.73 kB		

5. Datos

Providers

```
_id: ObjectId('682ca09eb0bd0143f752f0c8')
name : "Nike"
contact_email : "support@nike.com"
__v : 0
```

Sneakers

```
_id: ObjectId('68044be5bb6f11d07f90cec2')
name : "Adidas Yeezy Boost 350 V2 Core Black Red"
color : "Black Red"
release_date : 2016-11-22T23:00:00.000+00:00
brand : "Adidas"
modelKey : "boost-350-v2-core"
size : 12.5
retail_price : 220
sales_price : 1200
__v : 0
```

Reviews

```
_id: ObjectId('682b424b90f089ac162e7137')
sneakerId : ObjectId('68044be5bb6f11d07f90d507')
userId : ObjectId('682a787356608cd7a2e031d7')
rating : 5
comment : "Awesome !"
date : 2025-05-20T14:47:05.443+00:00
__v : 0
```

5. Datos

Currencies

```
_id: ObjectId('68175856e1aeed2aa0babd9')
currency: "linch"
rate: 5.0268882
date: "2025-05-04"
__v: 0
```

Stores

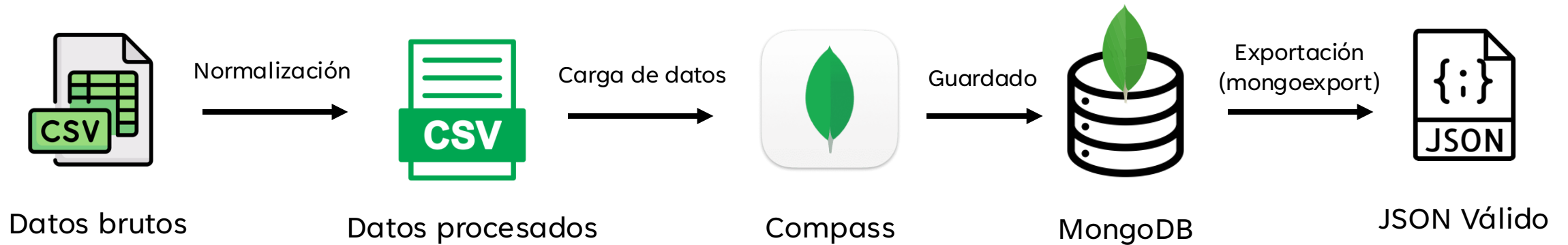
```
_id: ObjectId('6827a32bef76e28e88878fd2')
address: "123 Main Street, New York, NY"
__v: 0
```

```
_id: ObjectId('6827a32bef76e28e88878fd3')
address: "456 Sunset Blvd, Los Angeles, CA"
__v: 0
```

Users

```
_id: ObjectId('682a787356608cd7a2e031d7')
name: "khalid"
email: "khalid@example.com"
favorites: Array (empty)
__v: 0
```

5. Datos



6. Demo !





Gracias

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¿Preguntas?