

HACKONAUTAS ALVEUS

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- Arquitectura
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Arquitectura

- Modular
- Escalable
- Eficiente

[BBDD <-> BACKEND] <-> FRONTEND

Frontend

- Responsivo
- Reactivo
- Accesible

OUR WATER

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Iznájar

🌊 Capacity: 981 hm³

📍 Córdoba, Andalusia

El Chorro

🌊 Capacity: 126 hm³

📍 Málaga, Andalusia

Guadalhorce

🌊 Capacity: 126 hm³

📍 Málaga, Andalusia

La Concepción

🌊 Capacity: 57 hm³

📍 Málaga, Andalusia
















Reservoirs Near You


53 km

 Find

Nearby Reservoirs



						
1	Nearby Reservoir 2	Nearby Reservoir 3	Nearby Reservoir 4	Nearby Reservoir 5	Nearby Reservoir 6	Nearby Reservoir 7
	 22 km	 30 km	 35 km	 40 km	 45 km	 50 km



Interactive Map

Diseño



Diseño
característico,
legible y claro

Alveus: Plataforma de embalses de España

Por un uso y administración sostenible

[Ir al listado de embalses](#)

ALVEUS

Nombre del pantano o embalse

Campañana Reservoir
Ubicación: León, Castilla y León

SALLENTE
Ubicación: Lleida, Cataluña

Cazalegas Dam
Ubicación: Toledo, Castilla - La Mancha

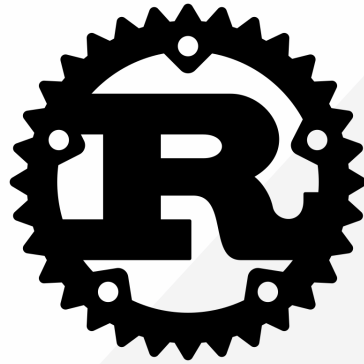
LAGO NEGRO

¿Por qué Svelte?





















- Más fácil que otras alternativas
- Énfasis en la accesibilidad
- Simple, ligero, completo

Backend

¿Por qué Rust?



- Seguro
- Rápido
- Moderno

Best fortunes responses per second, Dell R440 Xeon Gold + 10 GbE (496 tests)				
Rnk	Framework	Best performance (higher is better)		Errors
1	 may-minihttp	585,122	 100.0%	0
2	 xitca-web	578,573	 98.9%	0
3	 ntex [sailfish]	558,331	 95.4%	0
4	 h2o	549,078	 93.8%	0
5	 vertx-postgres	453,406	 77.5%	0
6	 axum [postgresql]	438,996	 75.0%	0
7	 viz [postgresql]	432,605	 73.9%	0
8	 jooby-pgclient	427,682	 73.1%	0
9	 just-js	422,871	 72.3%	0
10	 salvo [postgres]	413,812	 70.7%	0

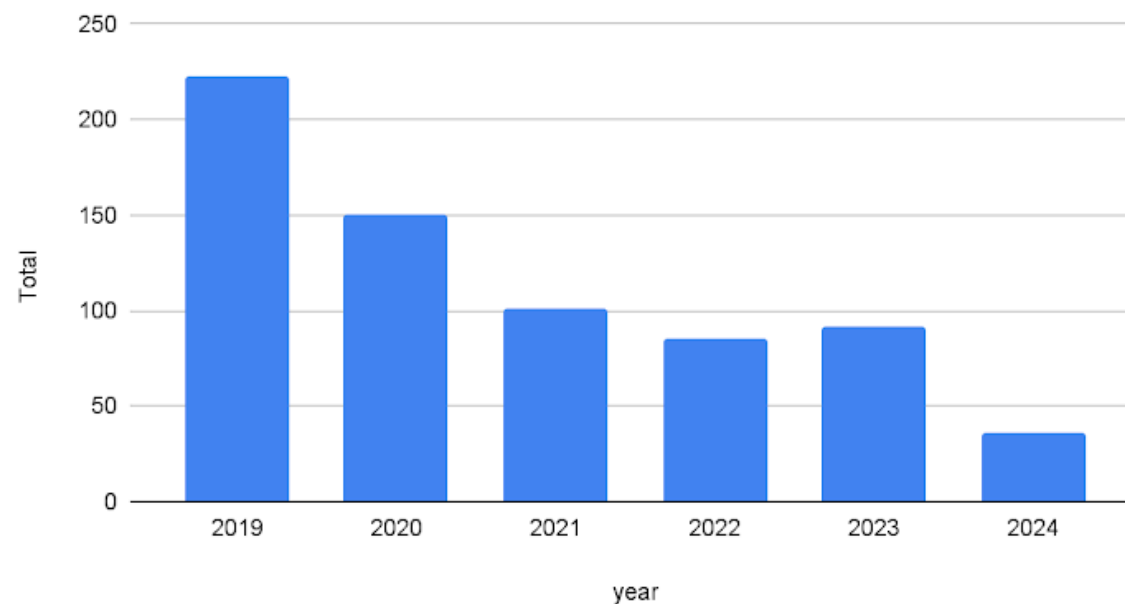
fuelle: Tech Empower Fortunes 2023

Total					
	Energy		Time		Mb
(c) C	1.00	(c) C	1.00	(c) Pascal	1.00
(c) Rust	1.03	(c) Rust	1.04	(c) Go	1.05
(c) C++	1.34	(c) C++	1.56	(c) C	1.17
(c) Ada	1.70	(c) Ada	1.85	(c) Fortran	1.24
(v) Java	1.98	(v) Java	1.89	(c) C++	1.34
(c) Pascal	2.14	(c) Chapel	2.14	(c) Ada	1.47
(c) Chapel	2.18	(c) Go	2.83	(c) Rust	1.54
(v) Lisp	2.27	(c) Pascal	3.02	(v) Lisp	1.92
(c) Ocaml	2.40	(c) Ocaml	3.09	(c) Haskell	2.45
(c) Fortran	2.52	(v) C#	3.14	(i) PHP	2.57
(c) Swift	2.79	(v) Lisp	3.40	(c) Swift	2.71
(c) Haskell	3.10	(c) Haskell	3.55	(i) Python	2.80
(v) C#	3.14	(c) Swift	4.20	(c) Ocaml	2.82
(c) Go	3.23	(c) Fortran	4.20	(v) C#	2.85
(i) Dart	3.83	(v) F#	6.30	(i) Hack	3.34
(v) F#	4.13	(i) JavaScript	6.52	(v) Racket	3.52
(i) JavaScript	4.45	(i) Dart	6.67	(i) Ruby	3.97
(v) Racket	7.91	(v) Racket	11.27	(c) Chapel	4.00
(i) TypeScript	21.50	(i) Hack	26.99	(v) F#	4.25
(i) Hack	24.02	(i) PHP	27.64	(i) JavaScript	4.59
(i) PHP	29.30	(v) Erlang	36.71	(i) TypeScript	4.69
(v) Erlang	42.23	(i) Jruby	43.44	(v) Java	6.01
(i) Lua	45.98	(i) TypeScript	46.20	(i) Perl	6.62
(i) Jruby	46.54	(i) Ruby	59.34	(i) Lua	6.72
(i) Ruby	69.91	(i) Perl	65.79	(v) Erlang	7.20
(i) Python	75.88	(i) Python	71.90	(i) Dart	8.64
(i) Perl	79.58	(i) Lua	82.91	(i) Jruby	19.84

Microsoft: 70 percent of all security bugs are memory safety issues

Percentage of memory safety issues has been hovering at 70 percent for the past 12 years.

Number of Memory Safety Vulns per Year



fuentes: Hacker News y Zdnet

ORACLE

Base de datos

- API REST
- Oracle PL/SQL (funciones)
- Acceso granular, rápido y seguro

El futuro

- Tests de integración
- Visualización de datos
- Contenerización
- Analisis de datos
 - Sarima
- Mas opciones de accesibilidad
 - a11yproject
 - WCAG2

¡Muchas Gracias!

ALVEUS