



From HTML to Hiccups

The evolution of Web Development and where we lost our way





SECTOR ALARM•)))



Founded in **Norway** in 1995

Operating in **8 countries** with 670K customers (goal: 1M)

Main offices in **Fuengirola** (Customer Service, Tech) and **Malaga** (Sales)

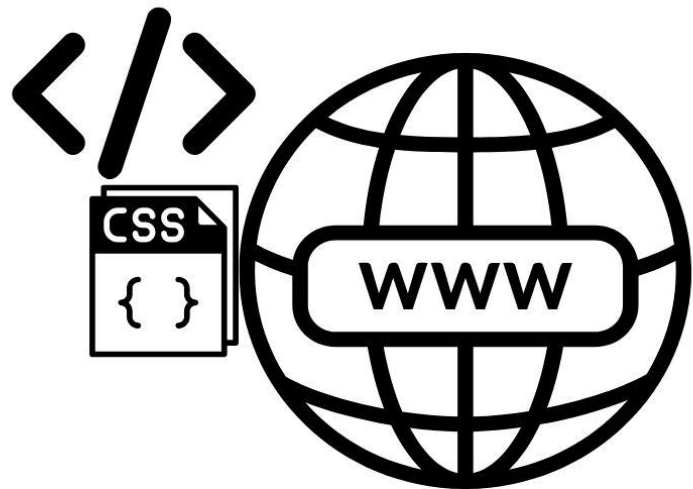
Over **3300 employees** across Europe, including **120 Tech engineers**

#2 in both new installs and in portfolio size

Tech Stack: .NET Core, Microservices, Azure, Auth0, Terraform, Swift, Kotlin,
Microsoft Dynamics (CRM, F&O), React

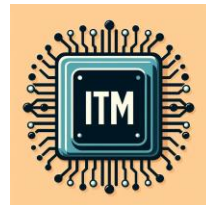


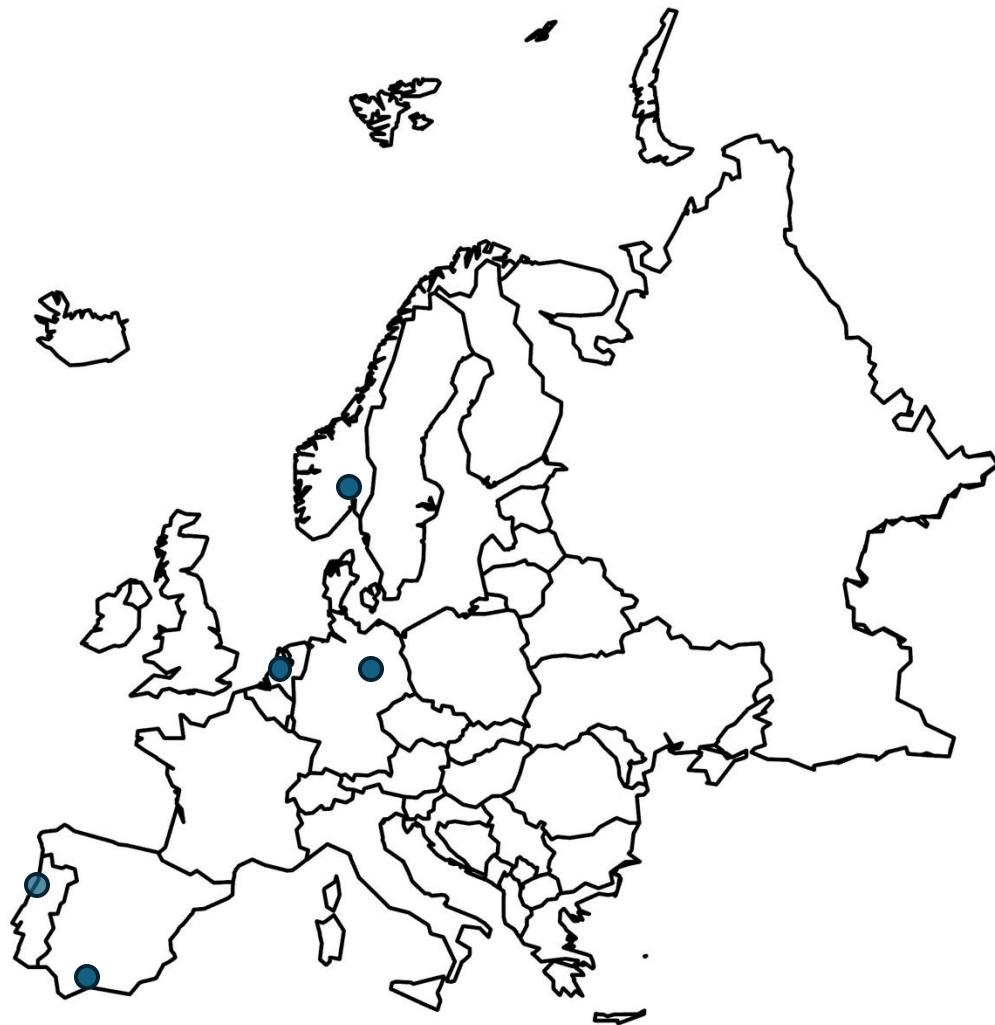
The year was 1991...



Hi, I'm Gosia

Full-Stack .NET / React Developer @ Sector Alarm
Co-author of DevOps-journey blog devopsifyme.com





Warning #1

During the presentation, some dad jokes might pop up. You continue listening on your own responsibility.

Warning #2

I had to use some AI and my rather poor, design skills. Please, have mercy.

Chapter one

The origins







- Manual implementation
- Poor scalability
- Security Gaps
- Debugging and Testing Challenges
- Synchronous processing



- Structuring and linking static documents
- Restricted multimedia support, only ``
- Submissions = as interactive as it gets
- No `<footer>`, or `<header>`
- No offline capability



- Font properties
- Text alignment, colours
- Margins paddings
- No native support for animations
- No support for responsiveness
- Applied globally

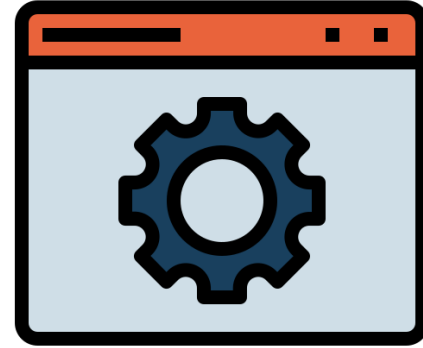


- Client-side execution
- Handling events
- Variables and basic data types
- Control structures
- Basic error handling
- No standards or consistency
- Poor debugging tools
- Security concerns

Chapter two

The rise of interactivity





- The rise of RESTful APIs
- Content management
- Database evolution
- The hugde micro-revolution has begun (again)





AJAX

- Dynamic and async content loading
- Live form validation
- Auto-saving drafts



- Cross-browser
- Simplified AJAX and DOM manipulation
- Plugins and extensibility

```
document.getElementById('myElement') -> $('#myElement')  
$('#element').addClass('active').fadeIn().css('color', 'red');
```



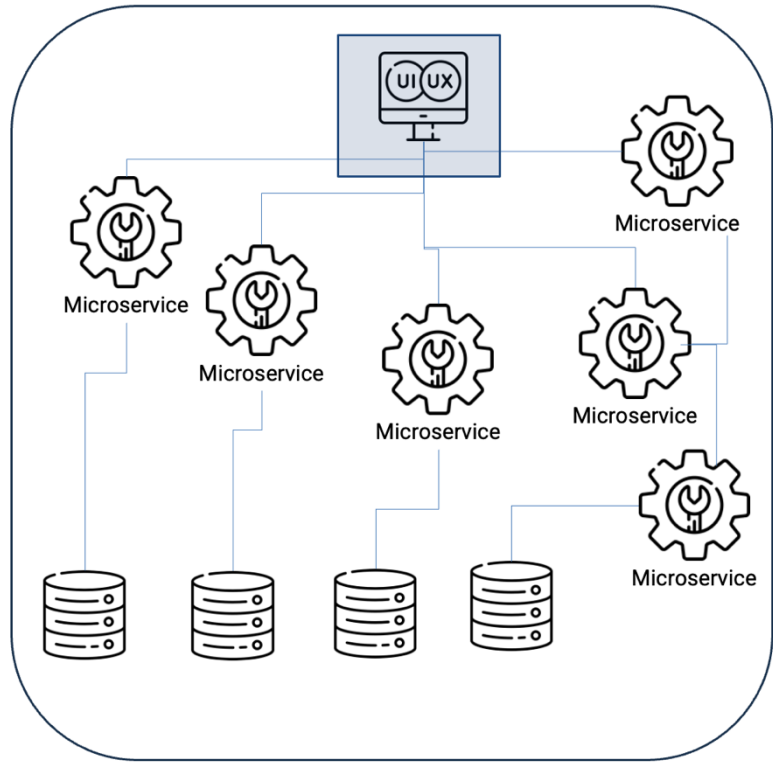
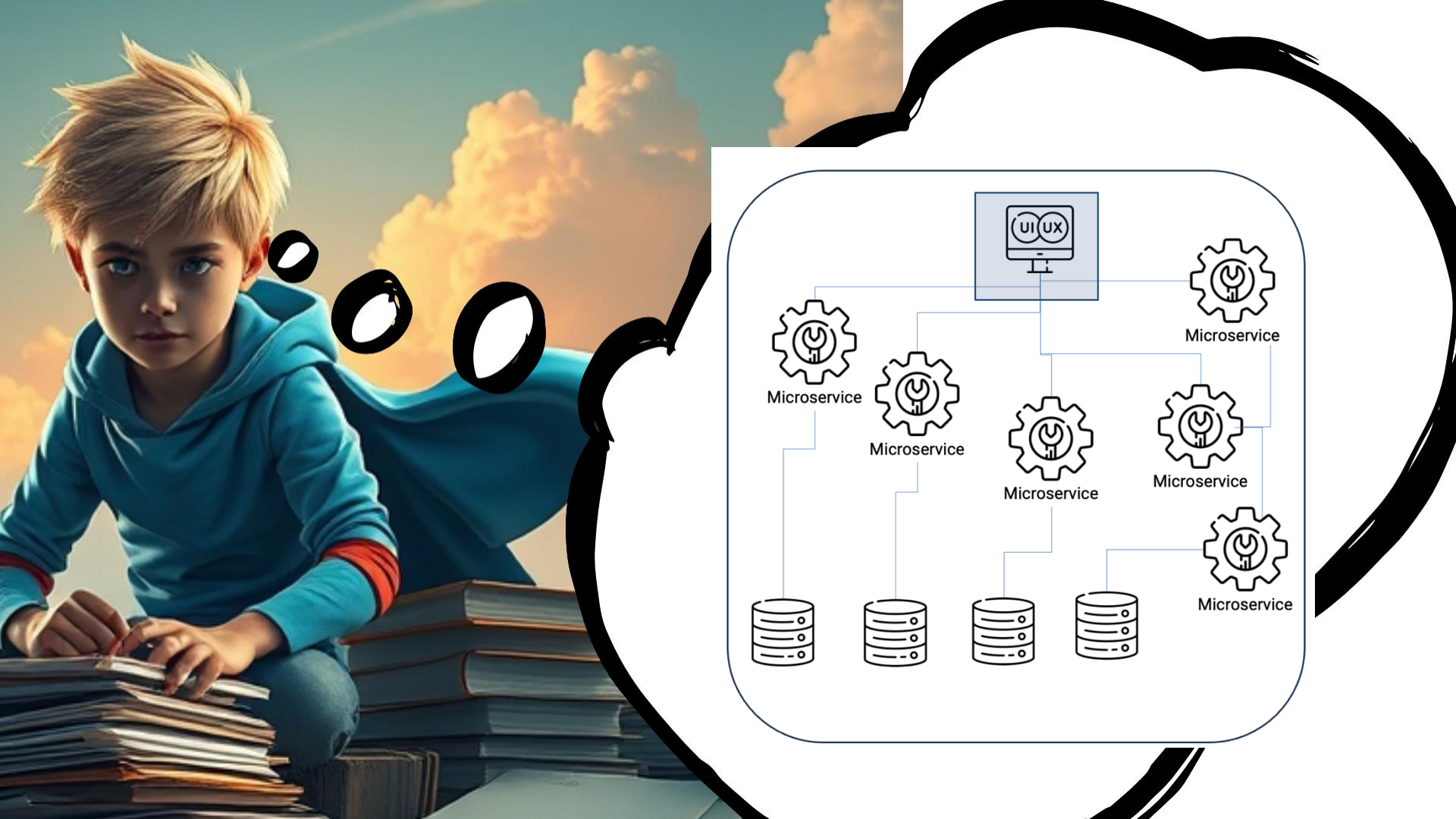


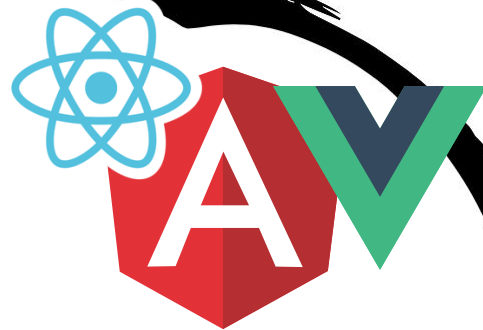


Chapter three

Complexity and innovation



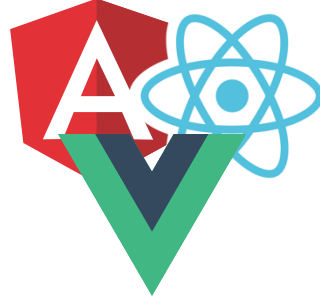




Frontend.. am I right?

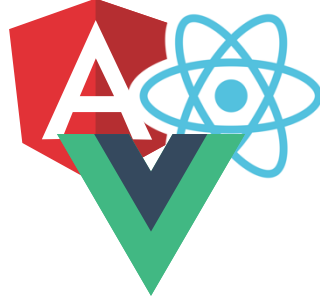






Frameworks



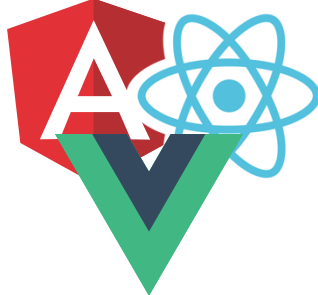


Frameworks



State management





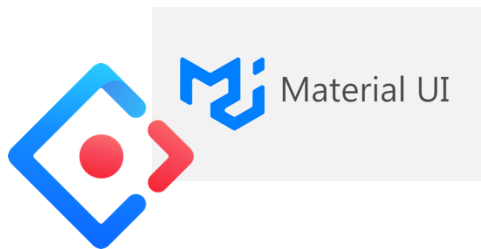
Frameworks

Client-side routing

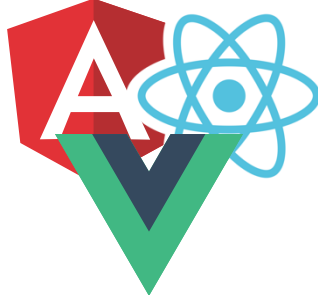


State management





Component Libraries
and Design Systems



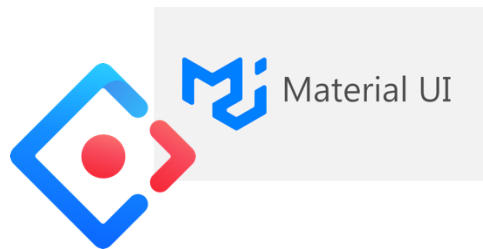
Frameworks

Client-side routing

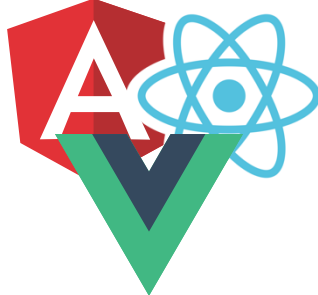


State management





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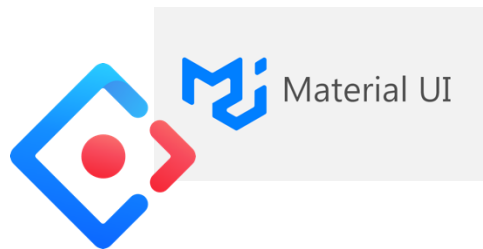


State management

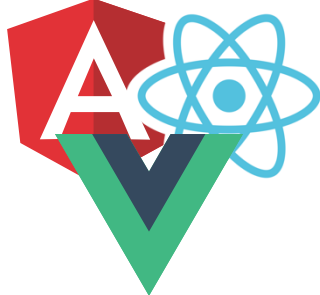


Tooling and build processes





Component Libraries
and Design Systems



Frameworks

Client-side routing



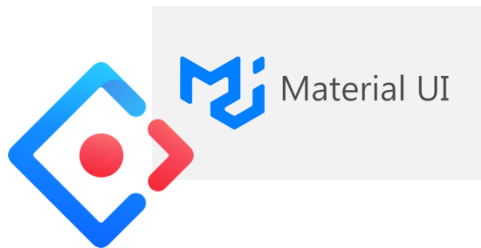
State management

Performance optimization

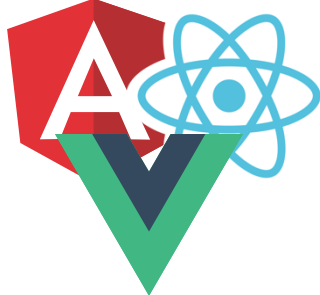


Tooling and build processes





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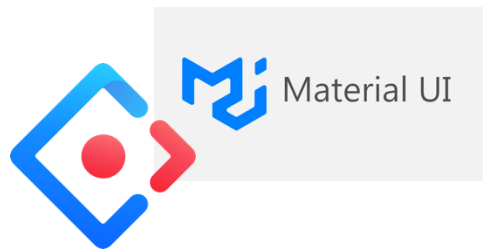
Performance optimization

Asynchronous Data Fetching

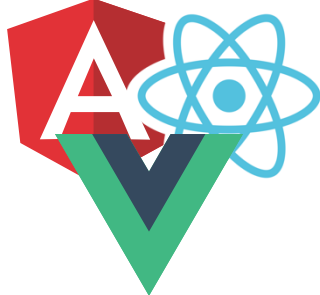


Tooling and build processes





Component Libraries
and Design Systems



Frameworks

Client-side routing



State management

Performance optimization

Asynchronous Data Fetching



Tooling and build processes



Security





Trust no one!

Chapter four

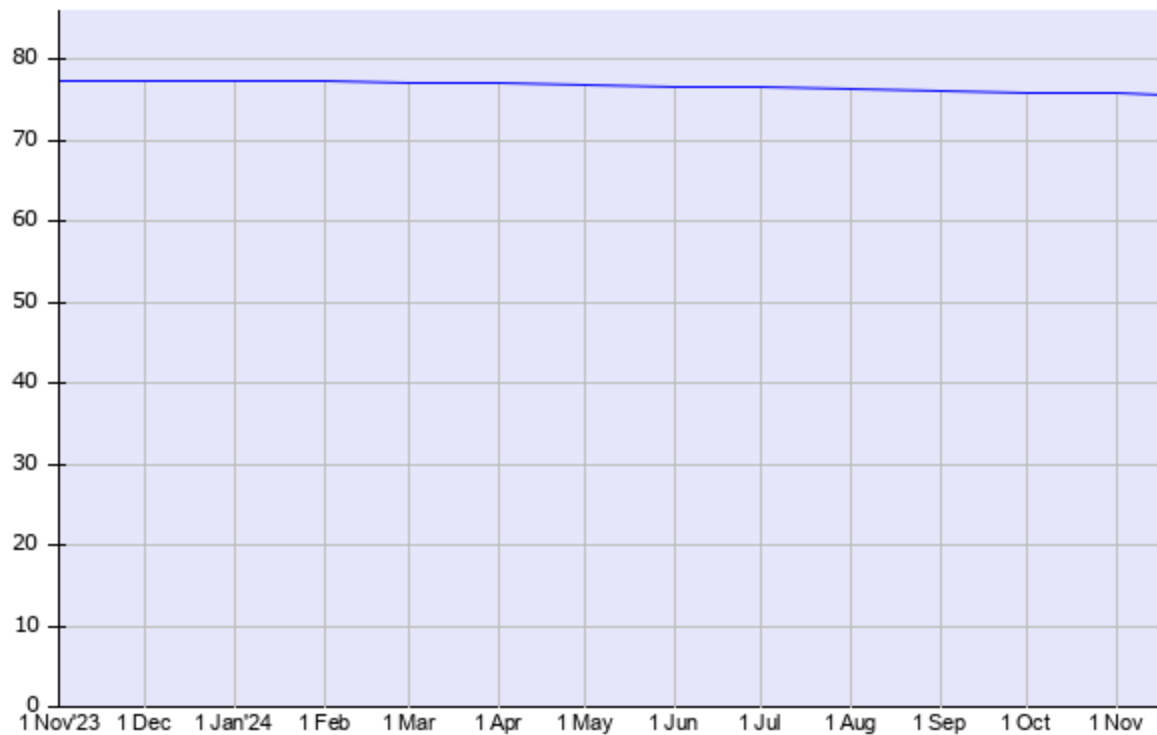
Questioning the paths chosen



Chapter five

Epilogue





Usage of jQuery for websites, 17 Nov 2024, W3Techs.com

The end

But before you go....

Thank you!





EL EVENTO SOBRE

TECNOLOGÍAS
**CLOUD, WEB
Y DATA**

