What are Micro frontends?

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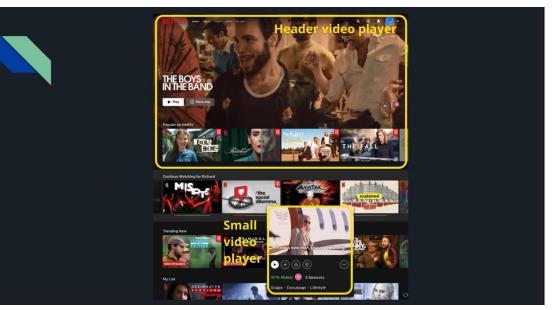


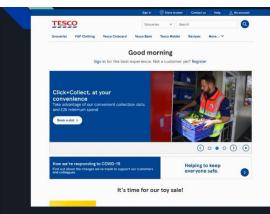


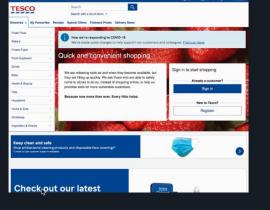


1. What is a Micro-frontend

"It's trying to think of a website as a project or page of composed features that are owned by independent teams"







tesco.com

tesco.com/groceries



Benefits of micro-frontends

- Independant deployments
- Independant updates and bug fixes
- Tech stack freedom
- Independant decoupled units
- Application split up by <u>business domain</u>

Who is using micro-frontends





































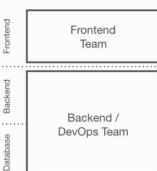


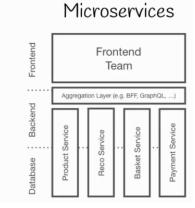
2. Why they exist



The Monolith Front & Back

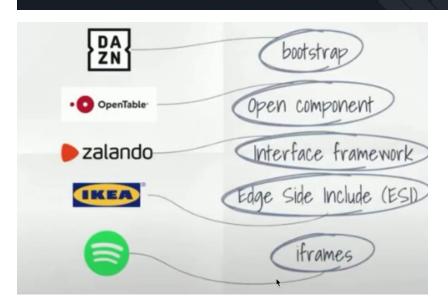




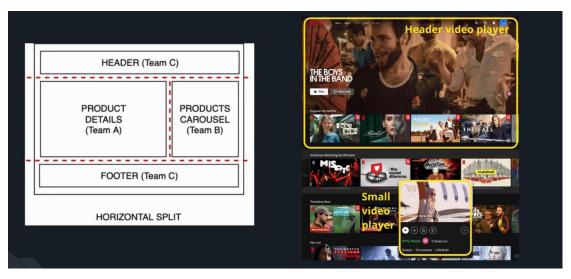


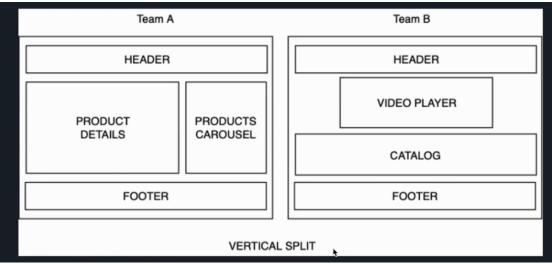
End-to-End Teams with Micro Frontends Frontend Team Team Team Team Search Product Checkout Inspire Backend Mission: Mission: Mission: Mission: helps the customer quickly find present the product provide a good to discover products the right product (specs, images, ...) checkout experience Database

3. How to build a micro-frontend

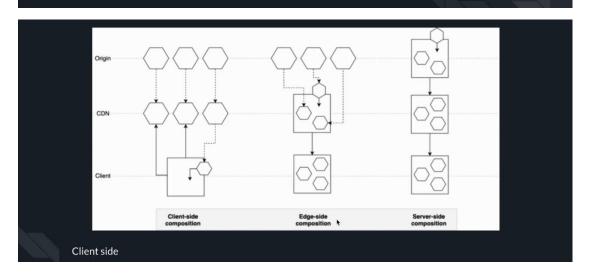


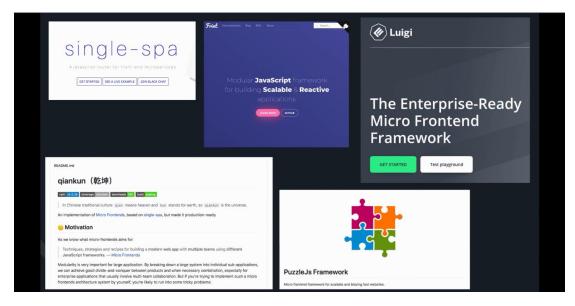
<u>Define</u> what how you want the micro-frontend split for your project



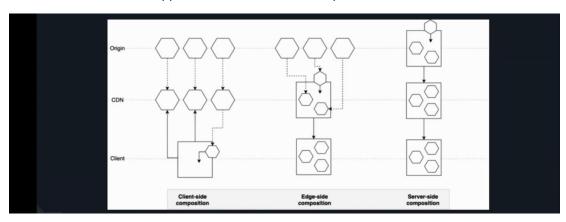


- Figure out how you want to compose the micro-frontend



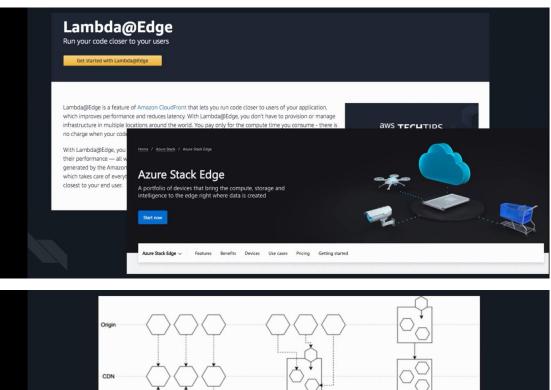


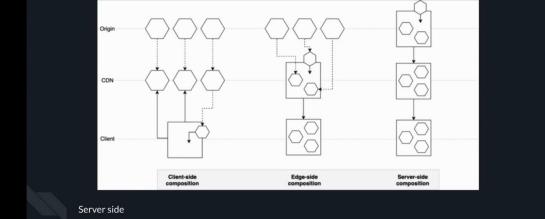
These are all tools that support client-side MFE development



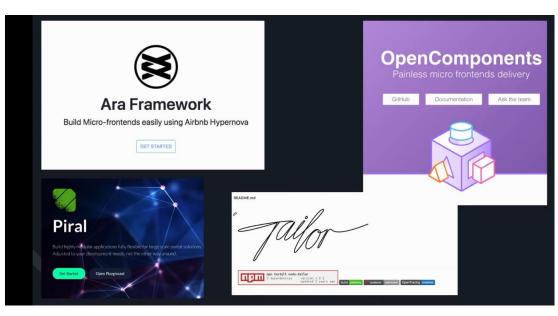
For Edge-Side Composition approach, you can use AWS Lambda@Edge or Azure Stack Edge to provide ESI from your CDNs







The Server-Side approach means we go all the way to the server to get the HTML to display, tools for this approach are below



5. In Conclusion

"Too often I see people judging other companies or colleague's decisions without understanding the context in which that decision was made. In reality, the context is even more important than the decision itself, because without it, the decision could sound horrible or totally inappropriate. In reality, that choice could have been the best (or only) option for that specific context."

Luca Mezzalira

Sources and credits

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