

X-platform web dev in Spotify.

February 2013



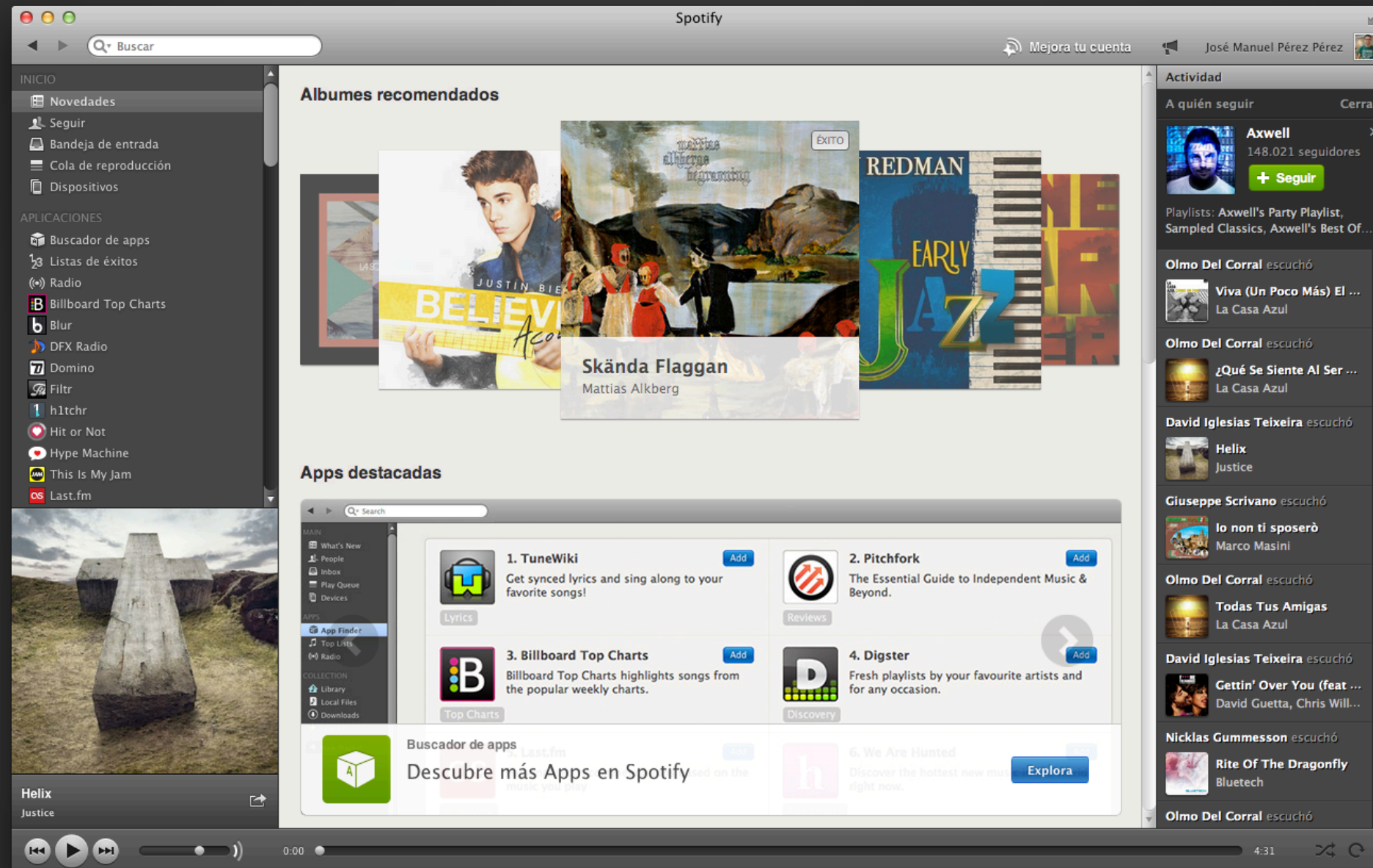
About me

José Manuel Pérez Pérez

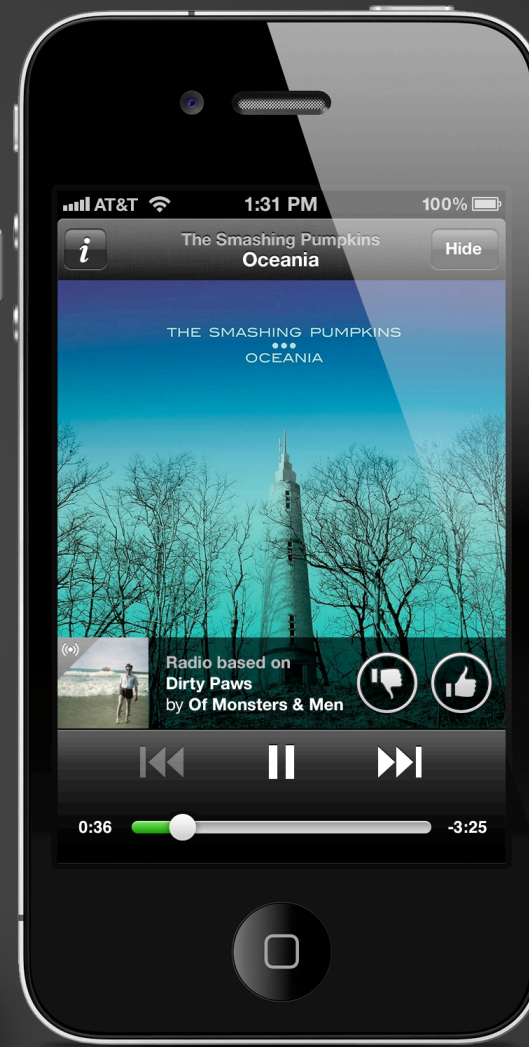
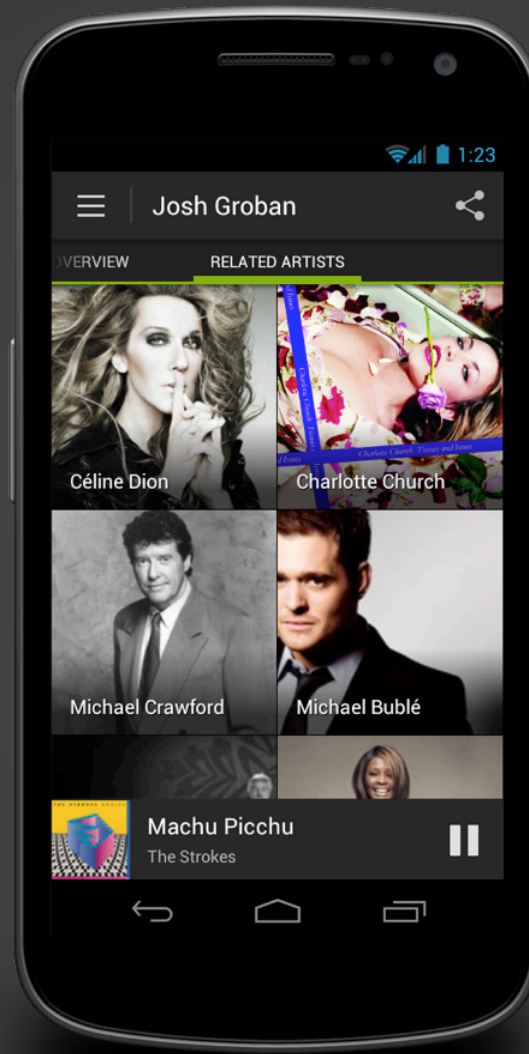
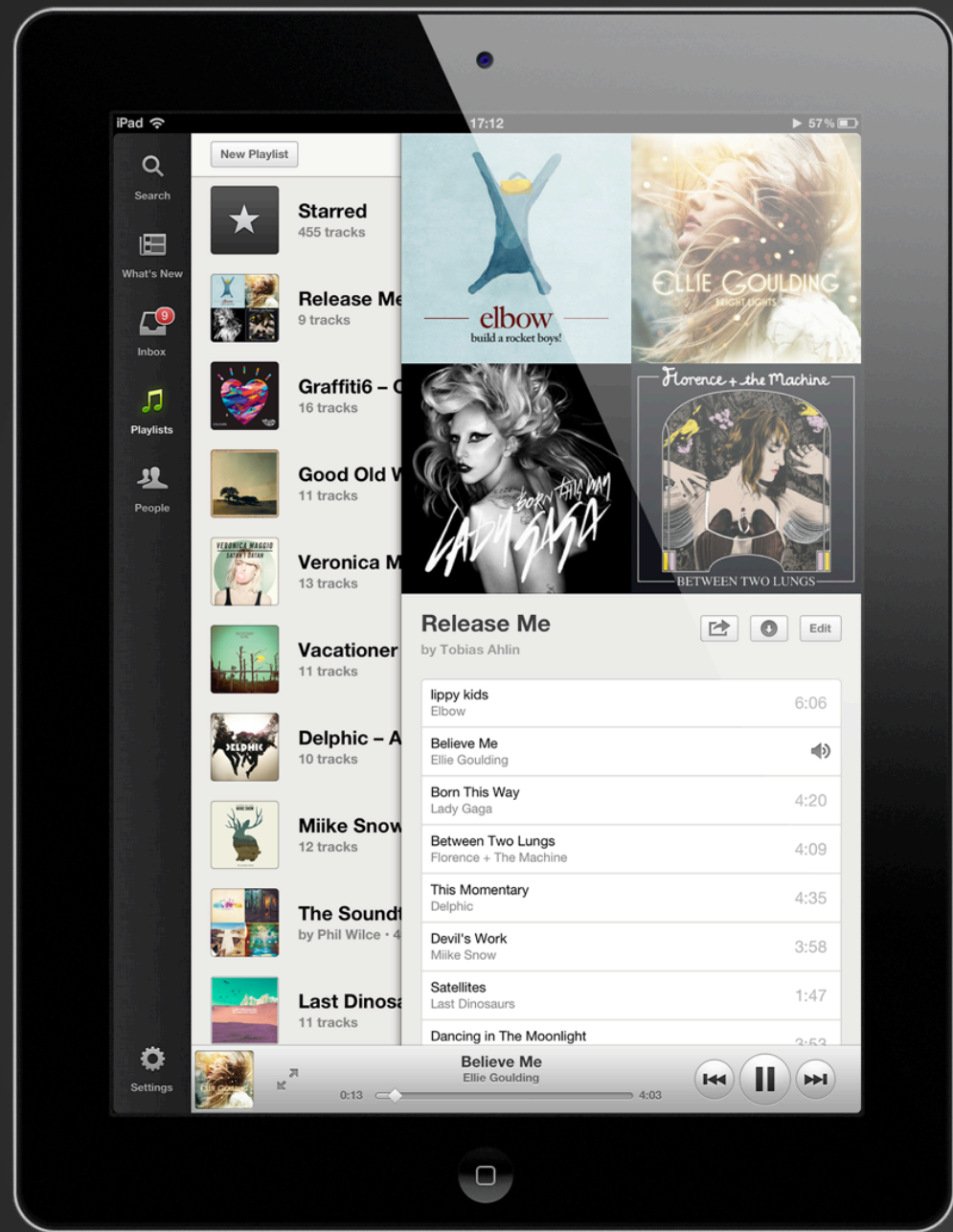
- @jmperezperez
- Frontend Web Developer
- Spotify - Stockholm

What's this talk about

- What's Spotify
- How we use web technologies
- Cross-platform challenges



Desktop client



Mobile clients

Spotify

Search

What's New

Inbox

Playlists

People

Accounts

NEW RELEASES

Sam Potify

View all



Like I Used To
Lucy Rose



Let Me Love You
Ne-Yo



Battle Born
The Killers



Come of Age
The Vaccines

TOP TRACKS in your region

View all



Whistle
Flo Rida



This is Love
WILLAm



Some Nights
Fun.



Kiss
Carly Rae Jepsen



TV

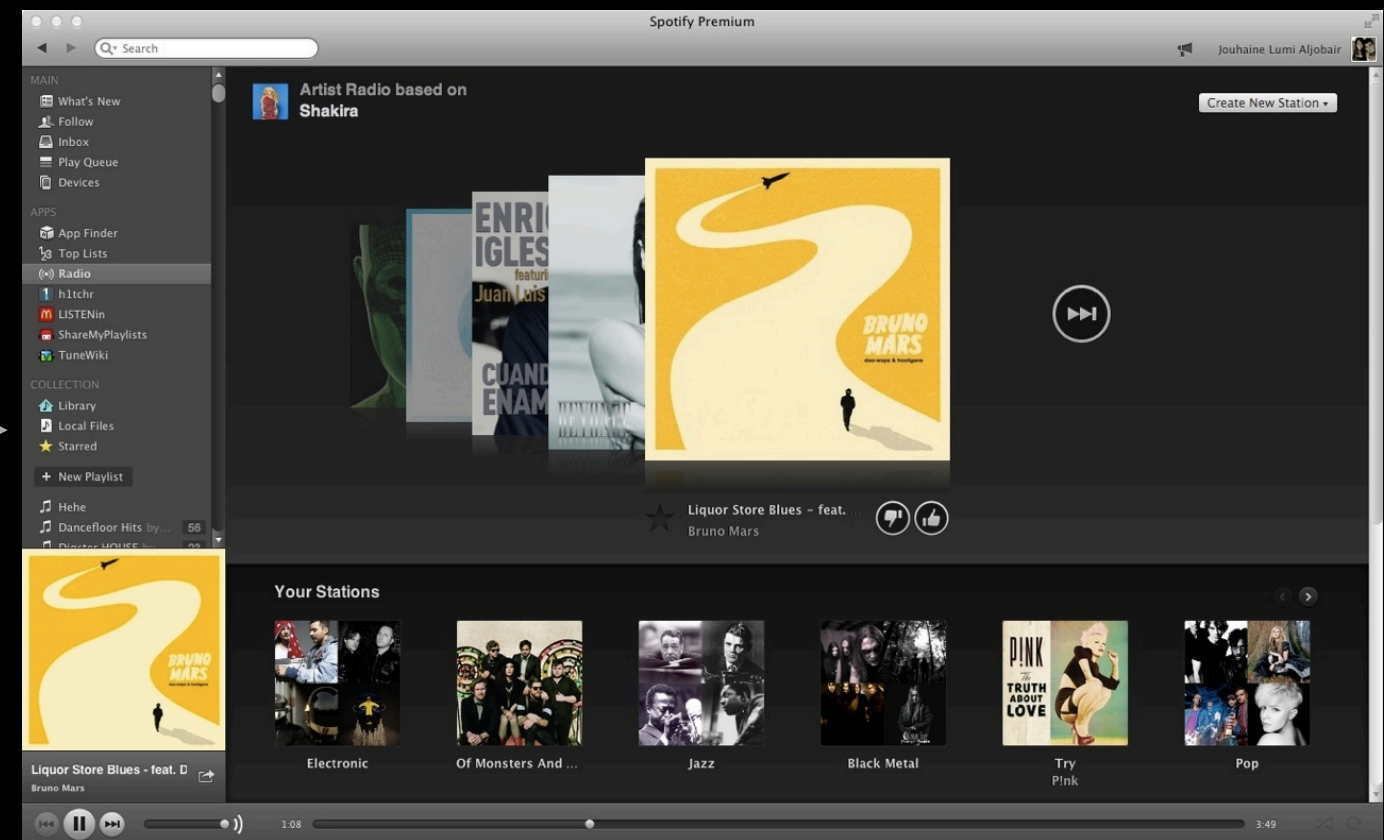
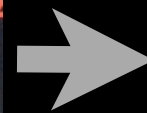
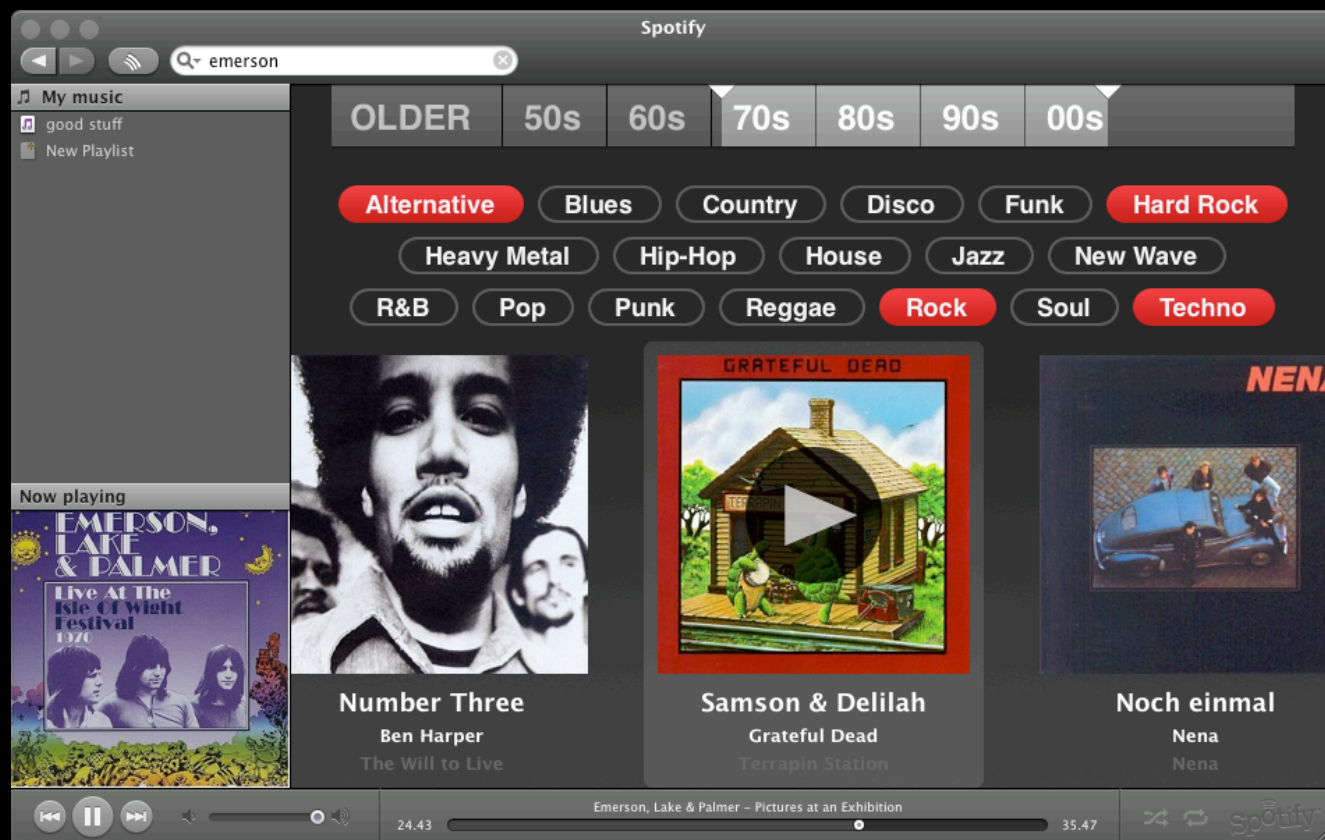
Evolving the product

as Spotify grows

We would like to achieve this:

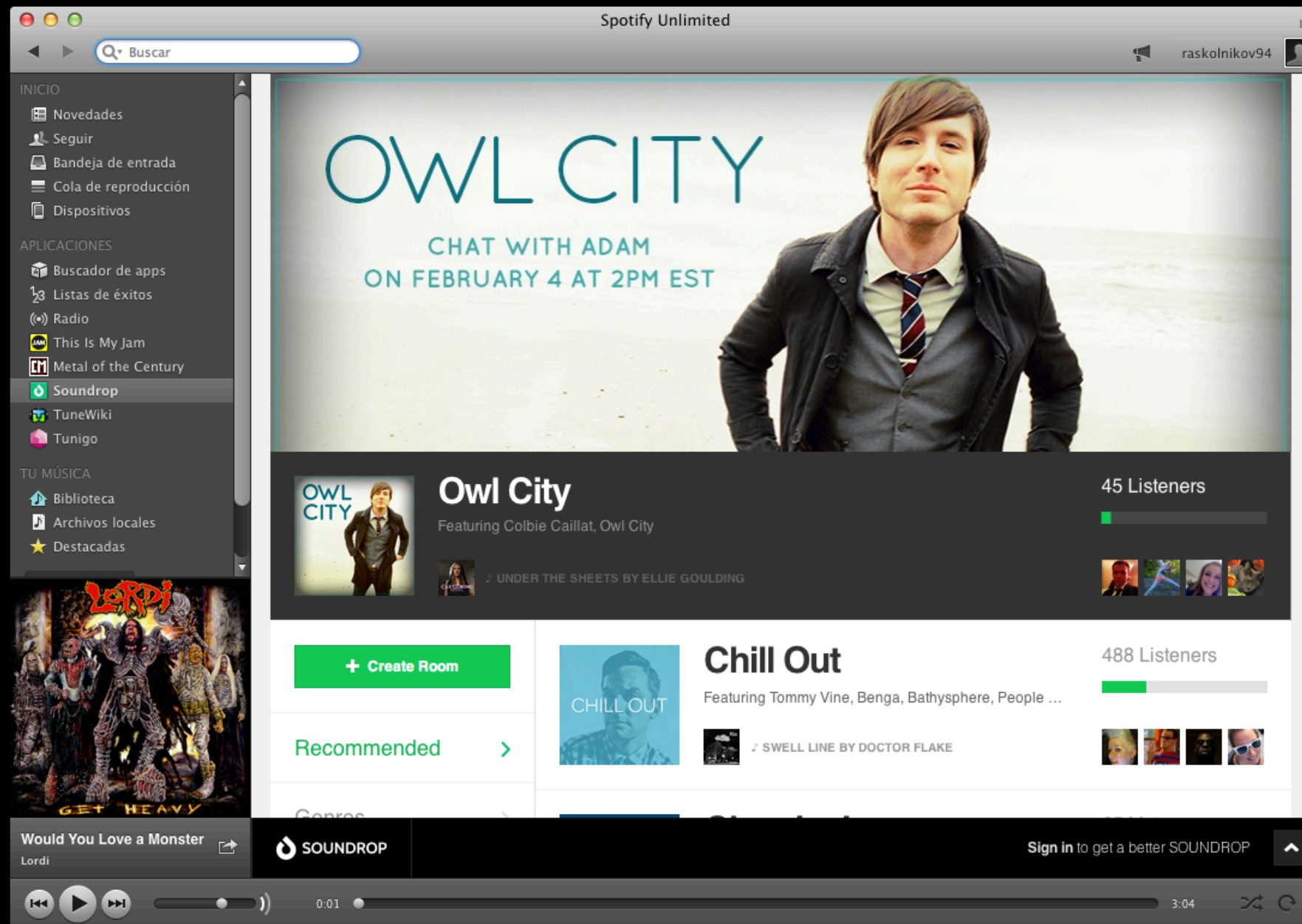
- Easy development, no dependencies
- Monitor and deliver updates with no overhead

Web is the answer



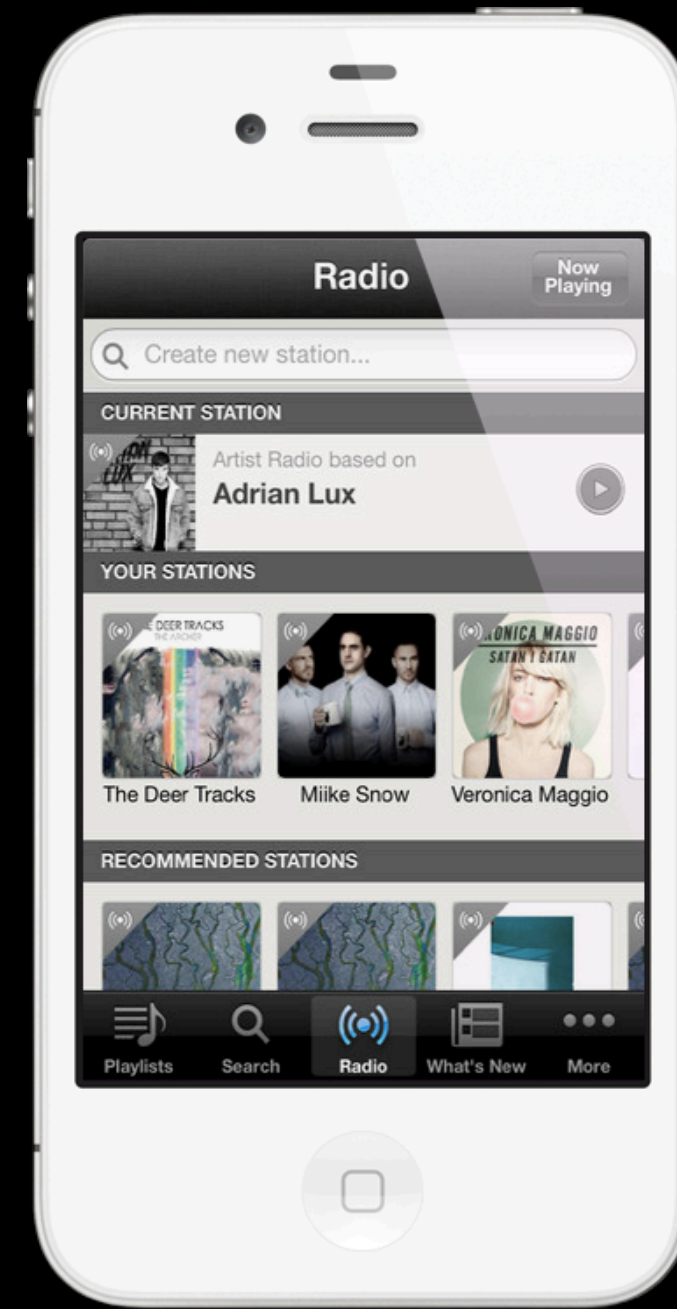
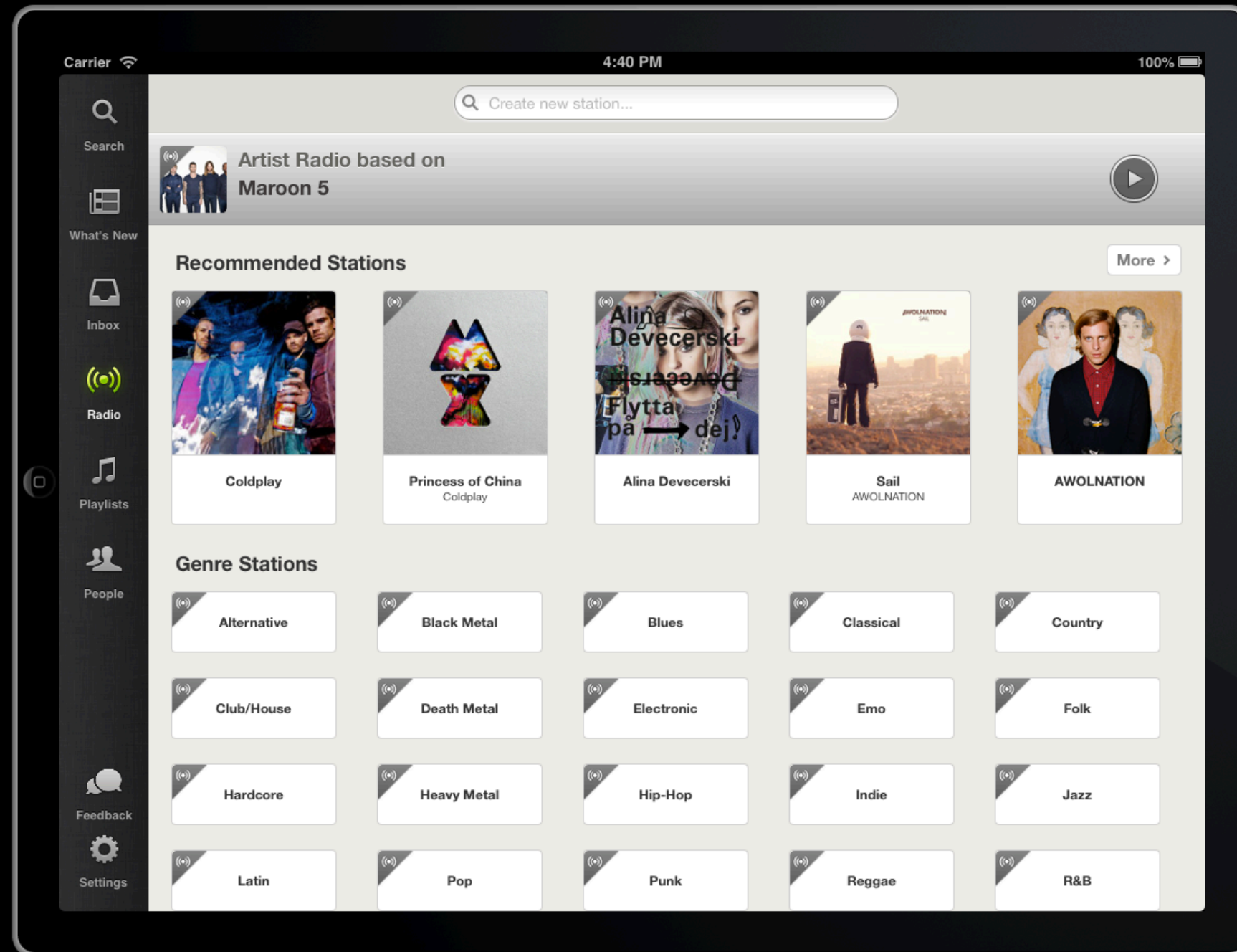
Spotify Apps

Allowing 3rd-party integrations



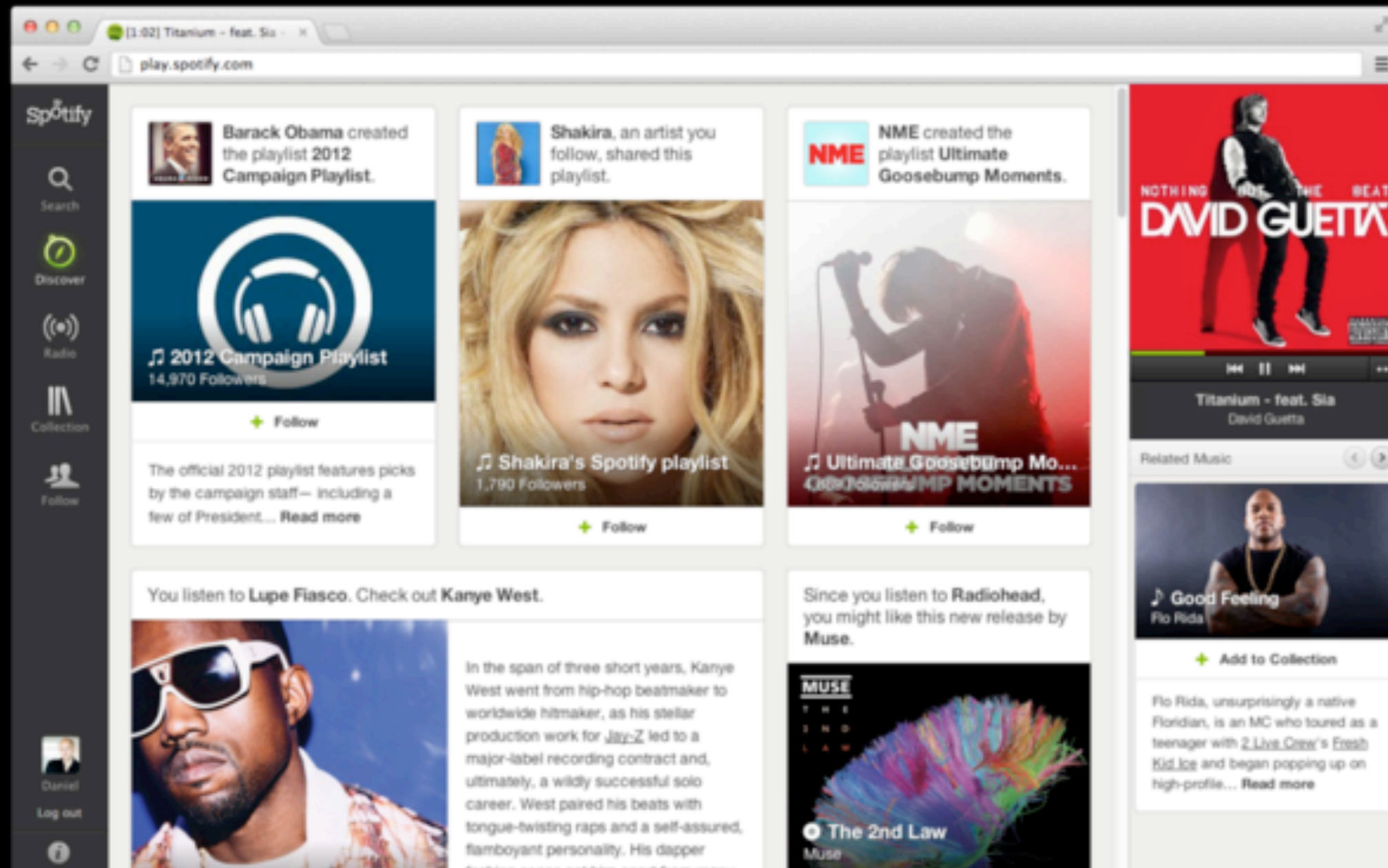
Hybrid clients

Making it possible to use web development everywhere



Web player

Whole client, not only a component



Web

Web development is helping us with:

- Team ownership
- Code reuse + Cross platform development

Sharing code

DRY

The screenshot shows the Spotify desktop application interface. The main content area displays the 'Servicio De Lavanderia' playlist by Shakira. The playlist contains 13 tracks, each with a star icon, a share icon, the track name, duration, and progress bar. The tracks are:

Track	Duration
1 Suerte (Whenever, Wherever)	3:15
2 Underneath Your Clothes	3:45
3 Te Aviso, Te Anuncio (Tango)	3:43
4 Que Me Quedes Tu	4:47
5 Rules	3:40
6 The One	3:43
7 Ready For The Good Times	4:14
8 Fool	3:50
9 Te Dejo Madrid	3:08
10 Poem To A Horse	4:07
11 Eyes Like Yours (Ojos Asi)	3:57
12 Whenever, Wherever	3:17
13 Objection (Tango)	3:43

Below the track list, there is a 'More by Shakira' section with four album covers: 'SHAKIRA LIVE FROM PARIS', a portrait of Shakira, 'Shakira Te Aviso, Te Anuncio', and 'Shakira Te Dejo Madrid'.

The screenshot shows the Spotify mobile application interface. The search results for 'shakira' are displayed. The top section shows the artist 'Shakira' with a 'Start Radio' button. Below this, there is a 'Playlists' section with a 'Shakira' playlist. The 'TRACK' section lists 13 tracks, each with a star icon, the track name, duration, and progress bar. The tracks are:

Track	Duration
★ Ojos Así	
★ Loca (Featuring El Cata)	
★ Loba	
★ Lo Que Más	
★ Te Aviso, Te Anuncio (Ta	
★ Antes De Las Seis	
★ Las de la Intuición	
★ Waka Waka (Esto Es Afric	
★ Beautiful Liar - Main Vers	
★ Waka Waka (This Time Fe	
★ Citana	

Below the track list, there is a 'More by Shakira' section with four album covers: 'SHAKIRA LIVE FROM PARIS', 'shakira', 'x2', and a portrait of Shakira.

How to

Things to have into account

Cross-platform development

- Hide the native layer - Common API
- Structure the code properly
- Keep in mind performance

Thanks!

@jmperezperez

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More info

jobs.spotify.com

developer.spotify.com

[@SpotifyPlatform](https://twitter.com/SpotifyPlatform)

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