

Playlists Service – Let's Link

Degree programme : BSc in Computer Science
Specialisation : Digital Business Systems
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Let's Link Playlist Service is a synchronization tool designed to address the fragmentation of music playlists across streaming platforms. By enabling synchronization between Spotify and Apple Music, the service improves accessibility for listeners and increases visibility for artists and playlist curators. This Bachelor thesis demonstrates how cross-platform playlist management can enhance music discovery and promotion.

Summary

Let's Link is a playlist synchronization service designed to address the fragmentation of music playlists across streaming platforms. By enabling automated synchronization between Spotify and Apple Music, the service improves accessibility for listeners and increases visibility for artists and playlist curators. This Bachelor thesis demonstrates how cross-platform playlist management can enhance music discovery and promotion in the digital age.

Objectives

The main objective of this Bachelor thesis was to develop and evaluate a proof-of-concept for automated playlist synchronization from Spotify to Apple Music.

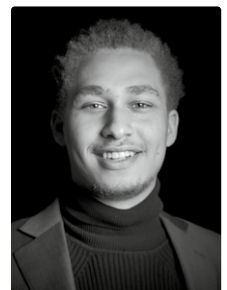
Results and Evaluation

The developed system successfully synchronizes playlists between Spotify and Apple Music, allowing users to access and manage their playlists on their preferred platform.

Key results include:

- Implementation of a three-tier architecture (Next.js frontend, Spring Boot backend, PostgreSQL database).
- Integration with Spotify and Apple Music APIs using secure authentication.
- Implementation of track-matching and playlist-sync algorithm that ensures accurate playlist replication.
- Positive feedback from initial user testing regarding usability and functionality.

In the future, such services could further support listeners, artists and curators by expanding to more platforms and creative domains.



Christopher Frick

