

Spotify

Front-End

- **JavaScript** is primarily used, allowing a dynamic and responsive interface. It allows Spotify to easily integrate third party services and API's which power many of their advanced features.
- **React** is used for web and mobile app. They use this to build reusable components that can be used across different parts of the application. It helps with maintaining and adding new features more easily.
- **Redux** is used to manage the state of its front-end apps. They use this to keep track of complex forms and to manage and update applications. They also use it for debugging and tracing changes

Back-end

- **Java** is the primary language for their back end, allowing them to handle the large amounts of data that needs to be processed. Java provides many libraries and tools for complex systems. It also provides the ability to run on multiple operating systems. Java helps with making the back-end system reliable, scalable, and secure
- **Cassandra** is used for storing Spotify's music catalog and user data. They use this to store massive amounts of data across multiple servers. This is important for being able to support the extensive amount of users.
- **Others:** Apache Kafka, Docker, Kubernetes, icloud services

Etsy

- Most of Etsy's backend is written in **PHP**. It also uses **Backbone** (an MVC JavaScript library that helps with establishing patterns and data organization conventions.) The front end mostly uses **HTML** and **CSS**. They also use **Blackbird** technologies for speech recognition, platform navigation, and artificial intelligence.

Netflix

- App is built on multiple languages: **Python**, **JavaScript**, **Java**, **Kotlin**, and **Swift**. This is done to ensure that it is compatible on multiple platforms - browsers, smart TV, phones, gaming consoles.
- Interface is done with **React** and **JavaScript** UI libraries
- **Dynomite** is used for cloud-based data