**What You Need To Build a YouTube Video Downloader**

## **Frontend**

* **Framework:** React.js (or plain HTML/CSS/JS)
* **Features:**
  + Input field for YouTube video URL
  + Download button
  + Show loading/progress indicator
  + Show errors if URL invalid or download fails

## **Backend**

* **Environment:** Node.js with Express.js (most popular for this)
* **Key Package:**
  + [youtube-dl-exec](https://www.npmjs.com/package/youtube-dl-exec) or [ytdl-core](https://www.npmjs.com/package/ytdl-core) — these libraries help fetch and download YouTube videos.
* **Features:**
  + API endpoint to receive YouTube URL
  + Validate URL (basic check to make sure it's YouTube link)
  + Use ytdl-core or youtube-dl-exec to fetch video info and stream or download video
  + Send video back to frontend (stream or direct download link)