**Ice candidates and the remote desription**

#### **ICE Candidates Need Context**

ICE candidates describe *how* to connect to a peer, including IP addresses and ports. However, these candidates are useless without knowing *what* kind of connection to establish (e.g., audio, video, data).

The **remoteDescription** contains the remote peer's SDP. In other words, this tells your **RTCPeerConnection** *what* kind of connection it's trying to establish.

**Analogy:** Think of it like this: the SDP is like a job application. It outlines the skills and capabilities (media types, codecs, supported features) of the applicant (the remote peer). ICE candidates are like available timeslots for an interview.

**Explanation:** You can't schedule an interview without first knowing what the applicant's skills and qualifications are. Similarly, you can't use ICE candidates (interview times) without first setting the remote description (reviewing the job application), which defines the type of connection being established (the role the applicant is being considered for).

**Bottom line 👉: setRemoteDescription() tells the RTCPeerConnection *what* to connect to, and addIceCandidate() tells it *how* to connect to it**. You must define *what* before you can define *how*. Adding a candidate without a remote description will result in an error.