

EvalQo — Your AI Interview Twin

Practice job interviews with an AI that actually knows you.



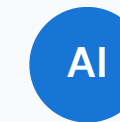
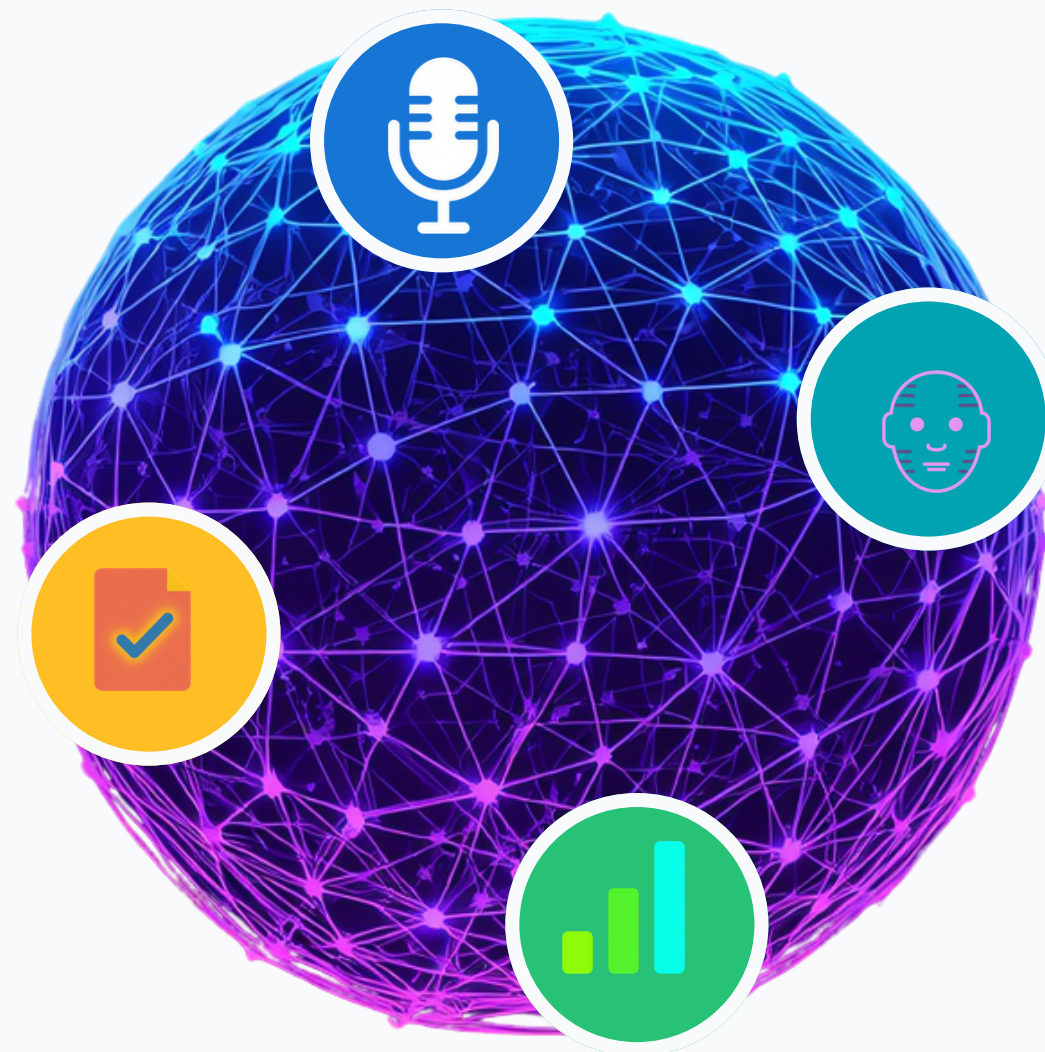
Supervisor

Prof. [Supervisor Name]



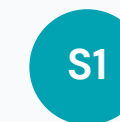
Program

Computer Science ·
University · 2025



Team Members

Speaker 1, Speaker 2, Speaker
3, Speaker 4



Part 1 — Speaker 1

🎓 Semester Project 2025–26

EvalQo is a website where you talk — by voice — to a lip-synced AI recruiter that has read YOUR CV and YOUR target job ad, and then grades you like a real interviewer would.

Practice job interviews with an AI that actually knows you.



The Problem Today

Why current interview prep is broken — and who it leaves behind.

📌 Part 1 — Speaker 1

📌 COACHING IS EXPENSIVE

Professional interview coaching costs \$200–500 per session — unaffordable for most students and early-career candidates.



Expensive Coaching

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Gratmeric AI Tools

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Inopist missing Feedback

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Our Solution

What if you could rehearse with a realistic interviewer — anytime, affordably, who knows your CV and tells you exactly what to improve?

04

Anytime, Anywhere

Practice at any hour with a live voice AI recruiter — no scheduling, no waiting.

03

Affordable Access

Free tier available. No \$200–500 coaching fees. Built for every student.



01

Knows Your CV

EvalQo reads your CV and job ad before every session — questions are tailored to you.

02

Real Feedback

Scored report in ~10 seconds: rubric, critique, study plan, and PDF export.

01



Upload Documents

Upload your CV and target job ad to get started.

02



EvalQo Learns

AI reads and understands your profile and the role.

03



Configure Interview

Pick difficulty level and interviewer persona type.

04



Talk Live to AI

Speak with a lip-synced AI recruiter in real time.

05



Feedback Report

Receive scored feedback and PDF report in ~10 seconds.

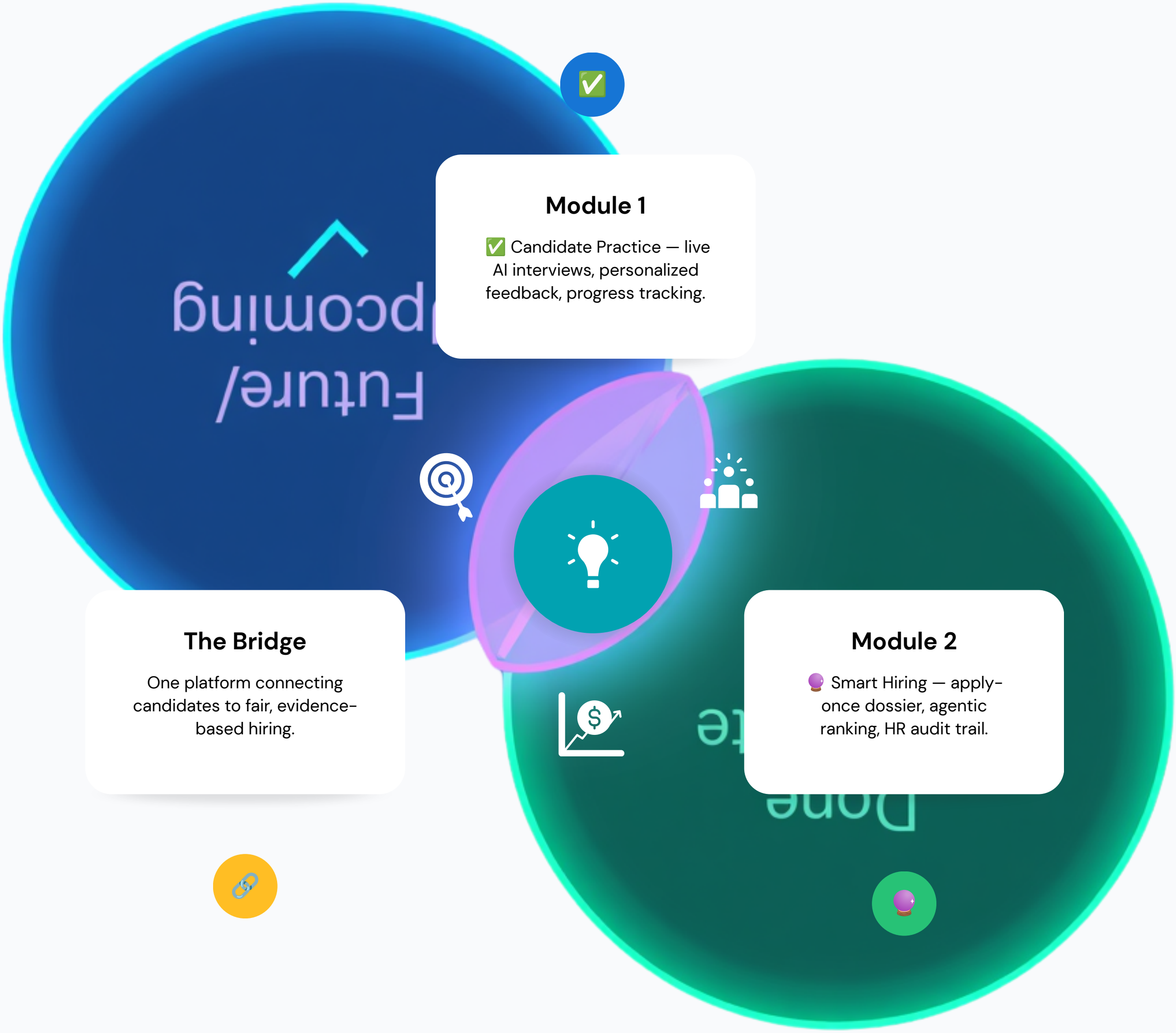
EvalQo — Vision

Practice today. Fair hiring tomorrow. One platform.



Part 1 — Speaker 1

Built today. Expanding tomorrow. EvalQo grows from practice tool to full hiring platform.



EvalQo — Feature Tour

Everything you need for a realistic, personalized interview experience · Part 2 — Speaker 2

01

Live Bidirectional Voice

Interrupt mid-sentence — real-time two-way audio just like a live interview call

02

Lip-Synced AI Avatar

A real animated face that lip-syncs to the AI recruiter's voice via WebRTC

03

Personalized from Your Docs

Questions grounded in your CV and target job ad — never generic prompts

04

Growing Knowledge Base

RAG memory expands with every document you add — the twin learns you

05

21 Interview Configurations

7 difficulty levels × 3 personas: HR screener, technical expert, senior manager

06

Face Presence Check

On-device MediaPipe face tracking — no video uploaded, full privacy preserved

07

Scored Feedback + PDF Export

4-dimension radar report with per-question critique, ready in ~10 seconds

08

3 Languages + Light/Dark Theme

Full EN / DE / ZH support with consistent UI across light and dark modes

User Journey — Step by Step

From first signup to interview mastery — the complete EvalQo experience



Sign Up

Register via email, Google, or LinkedIn to create your candidate profile

Upload Documents

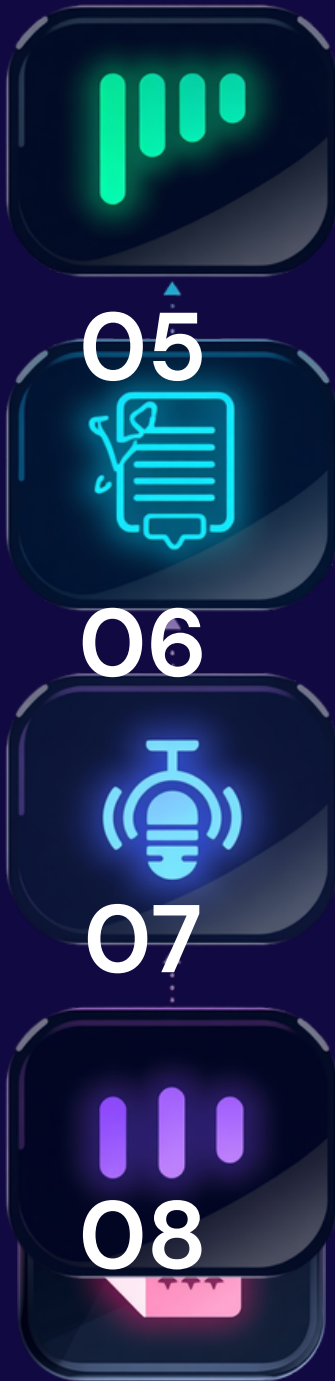
Add CV, cover letter, LinkedIn, certificates, and job ad links

Privacy Consent

Review detected personal data, approve redactions before any AI reads your files

CV Parsed into Profile

EvalQo builds your knowledge base — experience, skills, and education indexed



Configure Interview

Choose difficulty level, interviewer persona, rounds, and session duration

Live Interview

Talk live to your lip-synced AI recruiter — voice, interruptions, real-time scoring

Report + PDF

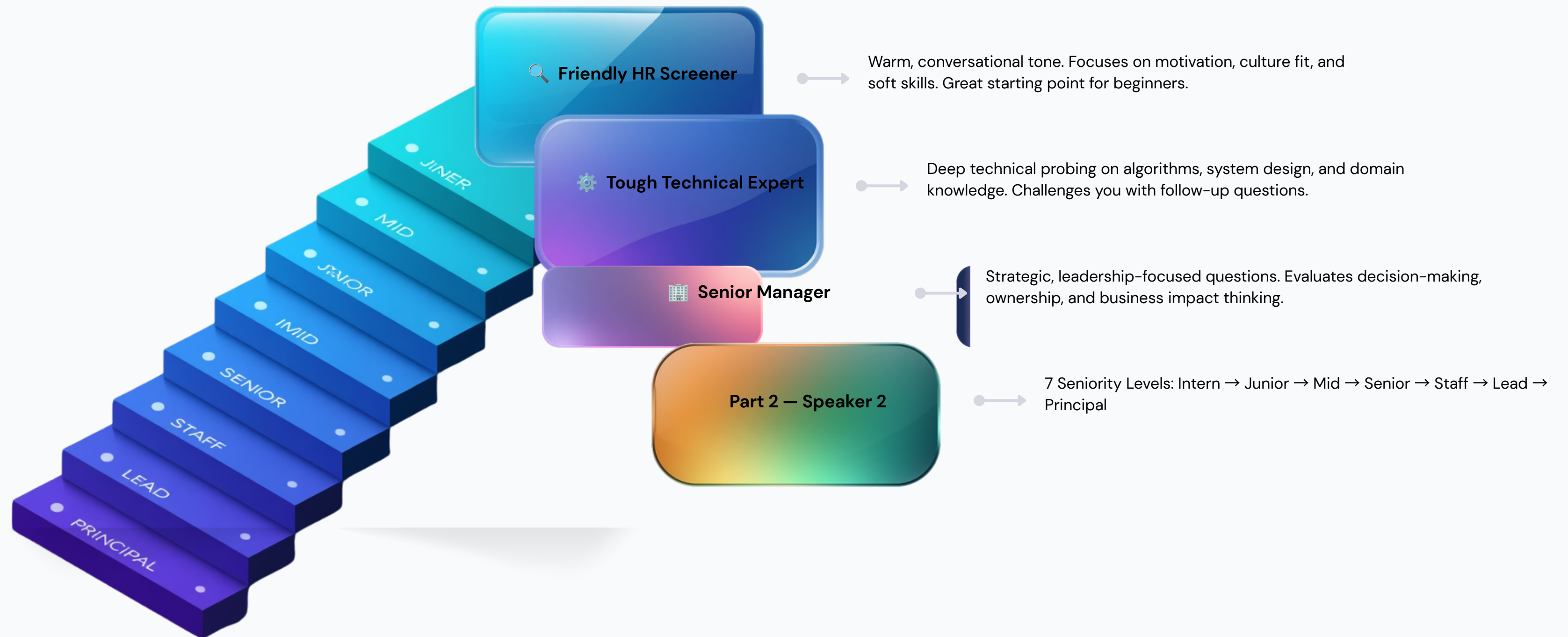
Receive scored feedback report with radar chart and export as branded PDF

Dashboard

Track score trends, session history, transcripts, and opt-in leaderboard rankings

Meet Your Interviewers

Pick your challenge — 21 different interview setups from one engine (7 levels × 3 personas)



GDPR & Privacy by Design

Your data is protected before any AI ever reads it — three enforced steps, zero compromise.





Track Your Progress

Every session logged, scored, and visualised — watch yourself improve over time.



Score Trend

Rising score line across all past sessions at a glance.



Session History

Full transcripts, per-turn feedback, and PDF export per session.



Knowledge Profile

Skills radar built from your uploaded documents and interview answers.



Leaderboard

Opt-in anonymous ranking — see how you compare without exposing identity.

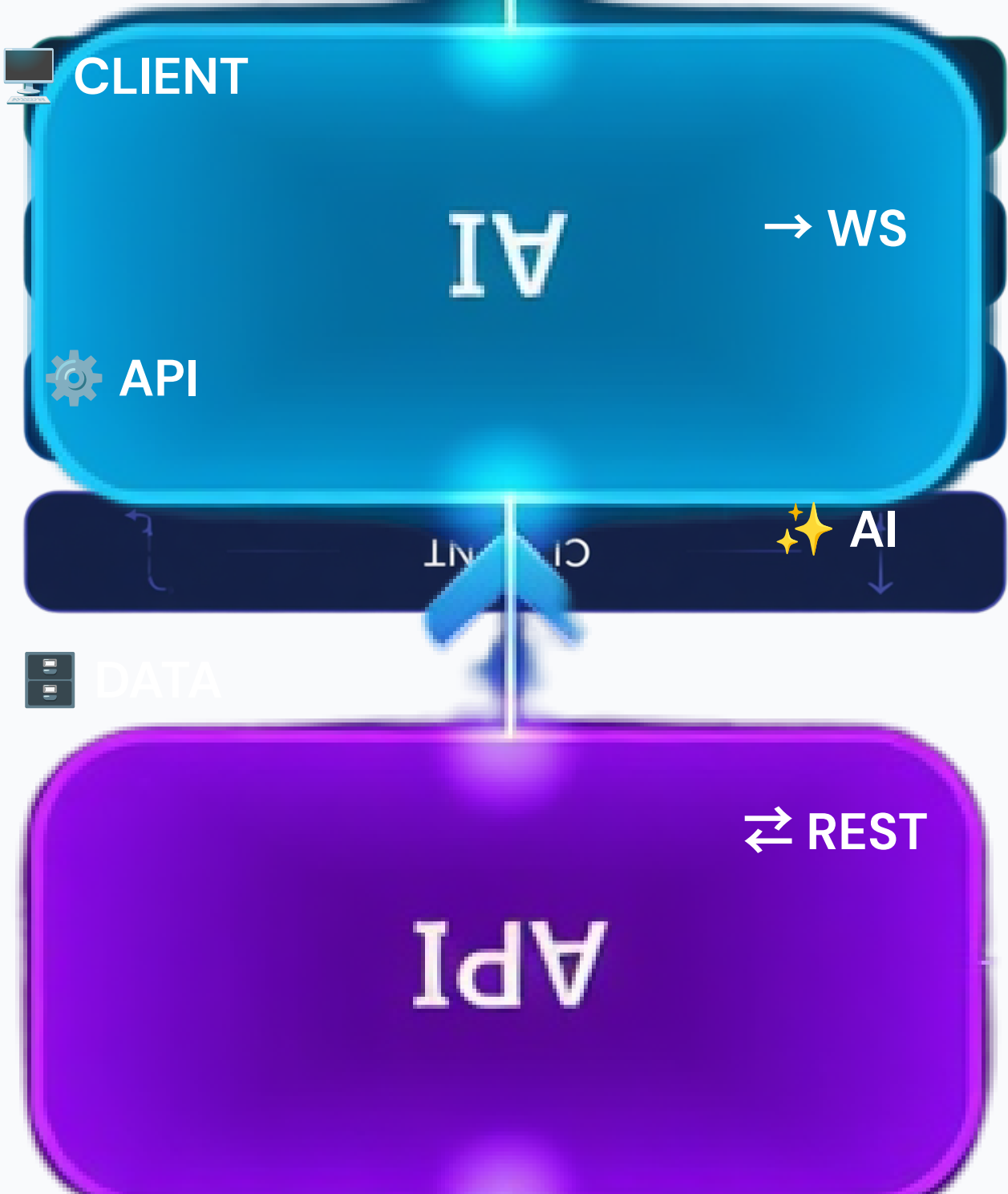


4-layer color-coded stack powering EvalQo end-to-end — Part 3 — Main Presenter

Next.js 16 · React 19 · TypeScript
Tailwind v4 · Simli avatar (WebRTC) ·
MediaPipe face tracking (WASM) · jsPDF

FastAPI Python 3.11 async
5 modules: auth · documents · candidates ·
interview · live★

Supabase Postgres + pgvector
Row-level security · 768-dim vectors ·
persistent memory store



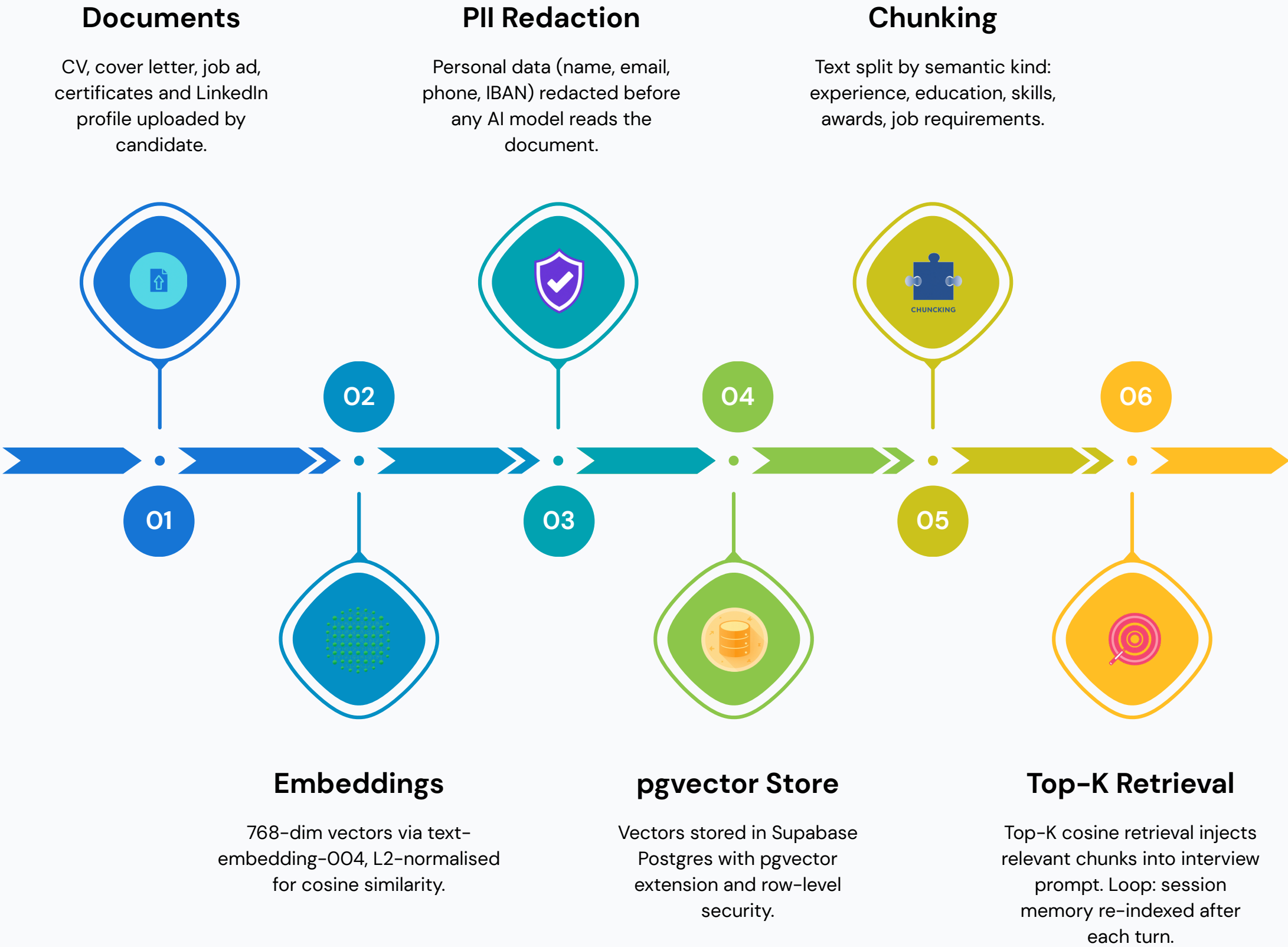
Gemini 2.5 Flash (native-audio)
Live voice · real-time streaming ·
interruptible mid-sentence

Gemini Flash-Lite + Groq Llama 3.3
Parsing · evaluation · feedback · fallback on
quota errors

text-embedding-004
768-dim L2-normalised vectors · top-K
cosine retrieval into interview prompt

The Knowledge Pipeline (RAG)

How EvalQo learns from your documents — and keeps learning after every session



Live Interview Pipeline — In Depth

Sequence: Browser → Next.js → FastAPI WS → Gemini Live → Supabase · Loop ③–⑧ repeats every turn



① Open WS + JWT Auth

Client opens WebSocket connection with signed JWT token for secure session authentication

② Build Interview Blueprint

Backend constructs interview blueprint, system prompt, and injects candidate context from RAG store

③ Stream Mic Audio

Microphone audio downsampled to 16 kHz PCM and streamed up to Gemini Live in real time

④ Gemini Live Reply

Gemini Live streams reply audio back — fully interruptible mid-sentence by candidate



⑤ Simli Avatar Lip-Sync

Simli avatar lip-syncs the reply audio stream via WebRTC for a realistic face-to-face experience

⑥ Parallel 5-Signal Scoring

Each answer scored in parallel: signal, competency, weakness, evidence, and confidence dimensions

⑦ Persist to DB

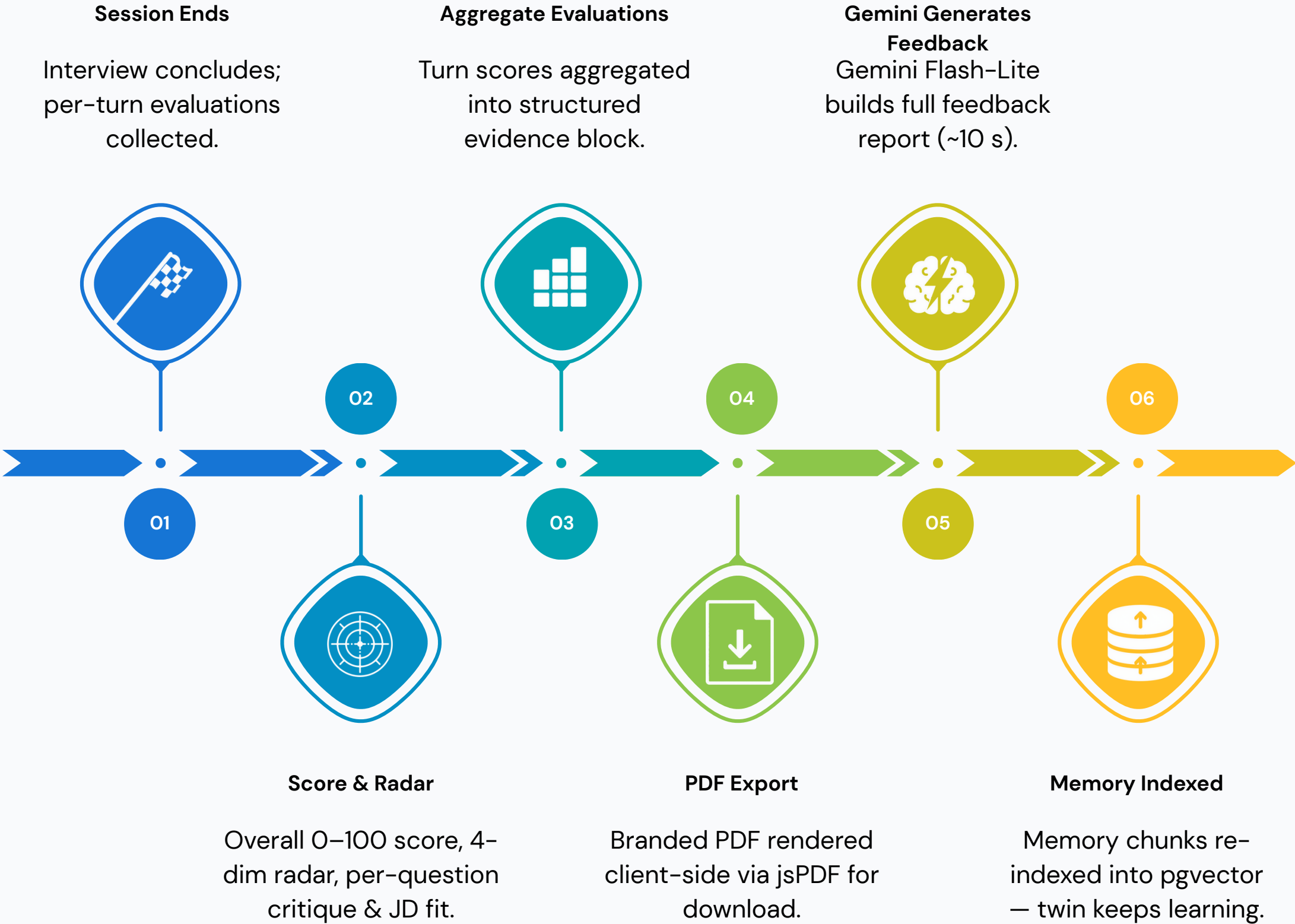
Turn transcript + evaluation persisted to interview_messages table in Supabase with RLS

⑧ Adapt Next Question

Decision step reads cumulative scores and dynamically adapts next question difficulty level

Report Generation

Structured feedback in ~10 seconds, end-to-end





Engineering Decisions & Resilience

Four key technical choices that keep EvalQo fast, safe, and production-ready.



Right Model Per Job

Native-audio for live voice, Flash-Lite for text tasks, embedding model for 768-dim vectors.



Quota Survival

Retry-delay parsing from Gemini 429 errors, regex CV-parse fallback, Groq Llama 3.3 fallback.



Security in Database

Row-level security enforced by Postgres. 5-minute signed URLs for all file access.

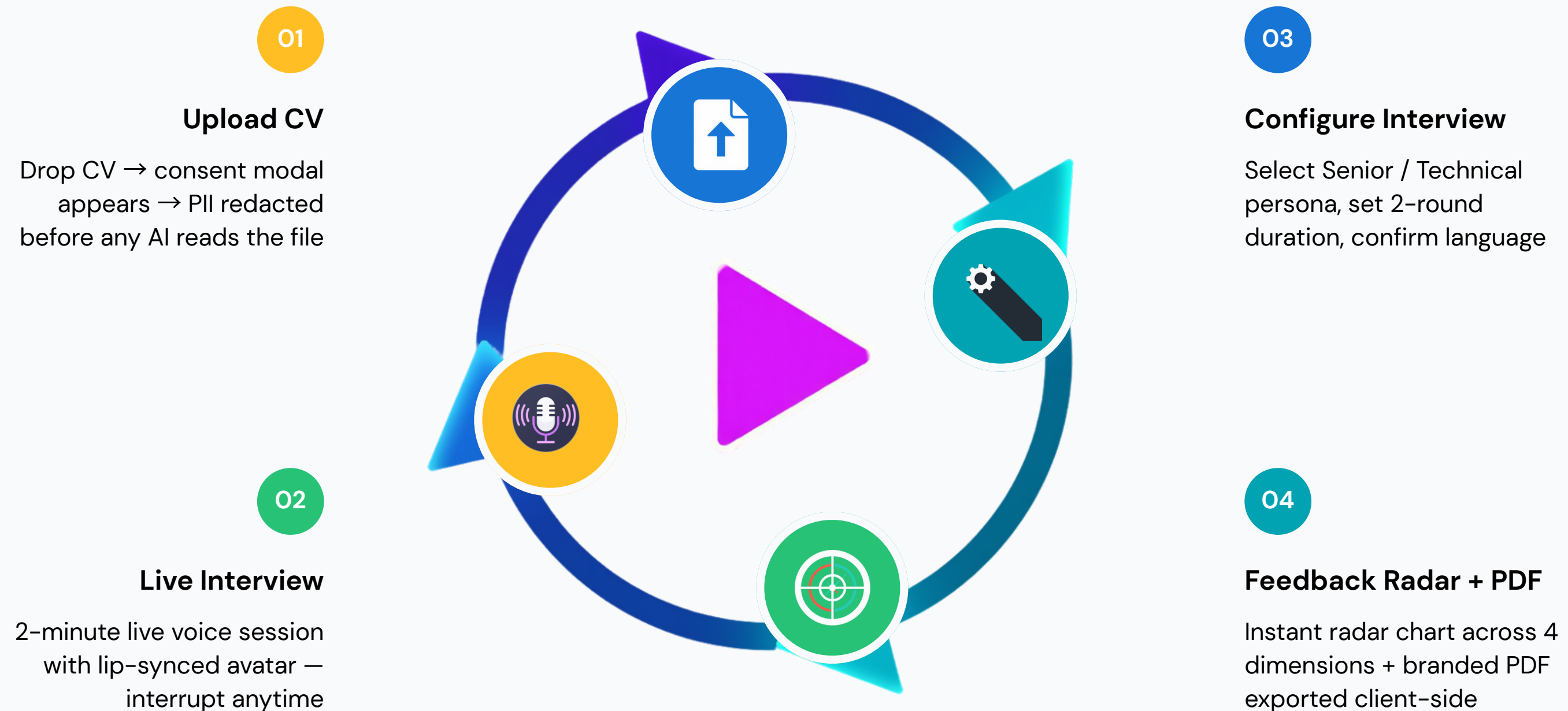


i18n at Scale

One LanguageContext drives 60+ components across EN, DE, and ZH with zero duplication.

Live Demo

Watch EvalQo in action — from CV upload to scored feedback in under 3 minutes



Future Plan

What comes next for EvalQo — near-term polish and Module 2 Smart Hiring



Part 4 — Speaker 4

Practice today. Fair hiring tomorrow. One platform.



Key Learnings

What challenged us — and what we built the skills to solve



Questions? 🙋

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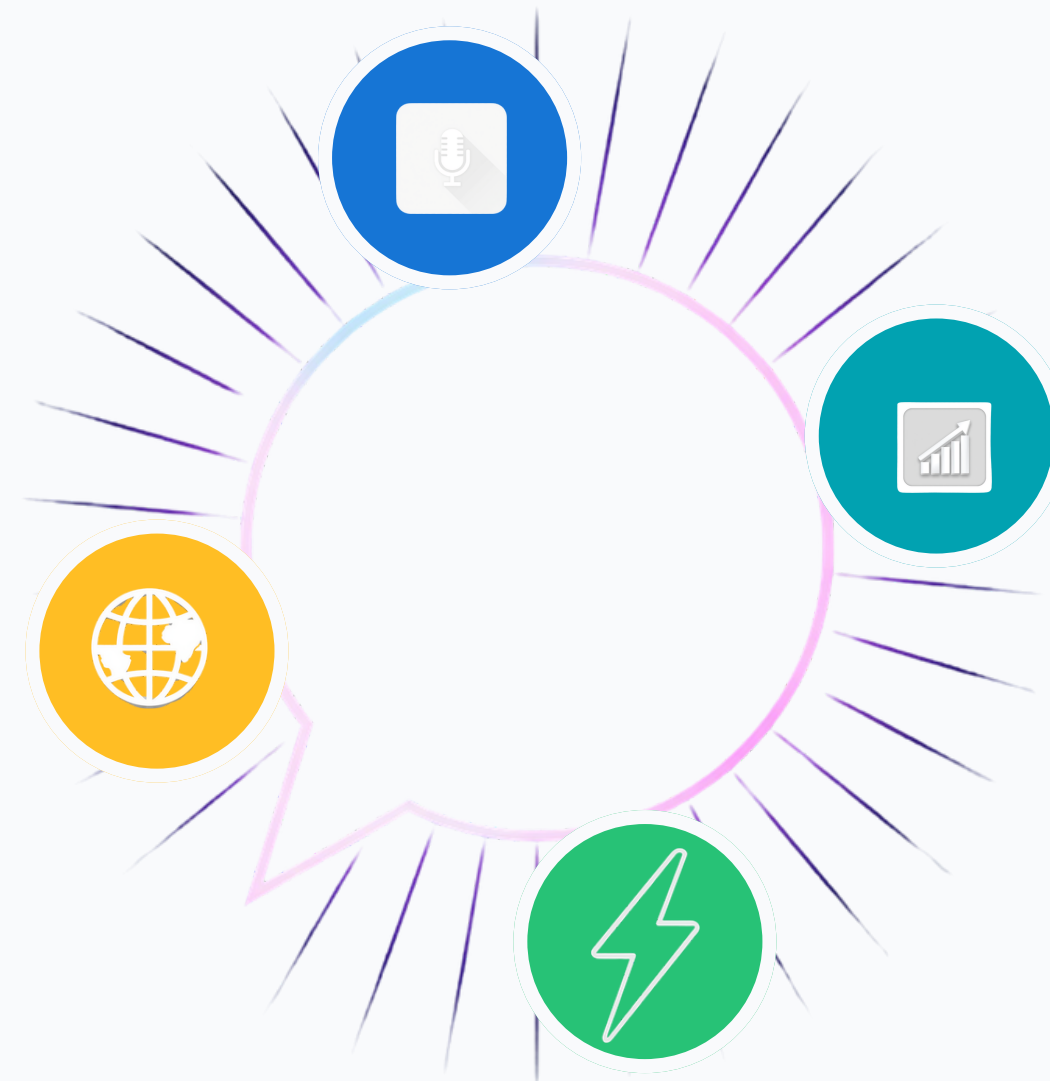
Languages

EN, DE & ZH fully supported
across all features

1

Built In

One semester — full-stack AI
product end to end



21

Interview Modes

21 unique configurations
across 7 levels and 3
personas

10s

Feedback Speed

~10 seconds to generate your
full interview report