Level 2 Proof of Concept

Deliverables

- Concept document: /docs/Case_Study_3_Submission_Draft.md
- Clickable wireframe (Figma): Proof of Talk Pitch Board v5 (https://www.figma.com/online-whiteboard/create-diagram/f832226c-9b28-4c38-be43-8b4ada8f4d64?utm_source=other&utm_content=edit_in_figjam&oai_id=&request_id=55701c3a-ed32-408d-90b0-bb827b8e79fd)
- Working app (live): https://ai-matchmaking-pot.vercel.app (https://ai-matchmaking-pot.vercel.app)
- Input dataset (12 fictional attendees): /docs/level2/sample_input_12_attendees.json
- Output dataset (quality-gated matches): /docs/level2/sample_output_matches.json
- Output dataset (pair/triad scenarios): /docs/level2/sample_output_scenarios.json

What the POC proves

- Role-based auth and route scoping are implemented.
- Audit logging exists for sensitive actions.
- Hard constraints are enforced.
- Soft scoring ranks strategic fit.
- Quality gate is enforced (score > 65, target 3-7 when available).
- Match explanations are generated.
- Feedback changes future ranking.
- Strategic pair/triad opportunities are surfaced.
- Organizer can input new attendees from UI.
- Organizer can bulk import attendee lists via CSV/JSON upload.
- Organizer can delete attendees with explicit typed-name confirmation.
- Organizer can export recommendations as CSV.
- External source retrieval works through company website enrichment endpoint.
- Note: endpoint requires outbound network/DNS in runtime environment.
- LinkedIn retrieval is implemented as explicit opt-in enrichment (checkbox + profile URL only, no hidden scraping).
- Enterprise hardening controls (RBAC, CSRF, security headers, SSRF guard, audit logs) are implemented.
- UI is production-polished with:
- Proof of Talk logo and favicon,
- premium but lightweight animations,
- responsive spacing fixes for card-heavy sections (more generous card padding + improved typography spacing),
- cross-device stability under window resize/orientation changes.

Run

```
python3.12 -m venv .venv
```

```
source .venv/bin/activate
python -m pip install --upgrade pip
python -m pip install -r requirements.txt
python scripts/seed_data.py
python scripts/generate_level2_artifacts.py
python -m uvicorn app.main:app --reload
```

Open:

- App: http://127.0.0.1:8000
- Organizer workspace: http://127.0.0.1:8000/organizer
- Bulk import template: http://127.0.0.1:8000/organizer/attendees/template.csv
- Matches API: http://127.0.0.1:8000/v1/matches/1
- Scenarios API: http://127.0.0.1:8000/v1/scenarios
- Enrichment API example: POST /v1/enrich/company?attendee_id=1&source_url=https://example.com
- LinkedIn API example: POST /v1/enrich/linkedin?attendee_id=1&source_url=https://www.linkedin.com/in/profile
- Favicon route: http://127.0.0.1:8000/favicon.ico

Live deployment:

- https://ai-matchmaking-pot.vercel.app (https://ai-matchmaking-pot.vercel.app)

5-minute demo flow

- Open attendee view and show quality-gated recommendations.
- Show explanation reasons on match cards.
- Show organizer strategic scenarios (pair and triad).
- Submit feedback and refresh ranking.
- Show organizer metrics.
- Upload a CSV/JSON batch in organizer workspace and verify created/failed summary.
- Delete a test attendee from organizer workspace and verify confirmation guardrails.
- Resize browser and show stable layout/spacing behavior in Curated Directory and Strategic Scenarios sections.