

02 API END TO END FLOW

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Auth and Candidate Initialization

POST /api/v1/auth/register creates user and, for candidate role, associated candidate profile row.

POST /api/v1/auth/login returns JWT token. Frontend stores token and injects Authorization header via Axios interceptor.

GET /api/v1/auth/me resolves identity and candidate_id linkage used by candidate workflows.

Resume Ingestion and Structuring

POST /api/v1/resume/upload accepts PDF, parses sections (skills/experience/education), and writes parsed structure to candidate.resume_parsed_data plus raw text fallback.

The parser extracts an estimated experience_years value based on section-scoped patterns. This value feeds baseline and consistency checks.

Parsed output is retained as JSON to keep both machine features and raw human-readable context in one place.

Assessment Runtime Flow

POST /api/v1/assessment/submit stores code execution outputs per question.

POST /api/v1/assessment/chat-response stores collaboration response and teamwork score signal.

POST /api/v1/assessment/complete computes final scores, aggregates integrity logs, computes originality ratio, and invokes recommendation engine.

Integrity Telemetry Flow

POST /api/v1/telemetry/log records event_type + severity with timestamp.

GET /api/v1/telemetry/candidate/{id}/logs or dashboard aggregate endpoint provides timeline-ready event data.

Integrity score is weighted from severity counts (HIGH, MEDIUM, LOW penalties) and fed into recommendation logic.

Recruiter Decision Surface

GET /api/v1/dashboard/candidates provides pipeline list.

GET /api/v1/dashboard/candidate/{id} aggregates scores, logs, submissions, AI rationale, baseline summary, consistency signals.

PUT /api/v1/dashboard/candidate/{id}/status updates stage and optional decision_note, visible on candidate status page.

Failure Handling

If Gemini fails, rule-based rationale generation still returns recommendation and structured rationale.

If parsing fails for a section, raw text and partial outputs are preserved so recruiter can still evaluate context.

If telemetry subsystem has sparse data, assessment and recruiter flows still function with reduced integrity confidence.