04 FILE MAP AND RESPONSIBILITIES

Frontend Responsibility Map

frontend/src/pages/Assessment.tsx: candidate assessment runtime, editor input tracking, telemetry emission, completion trigger.

frontend/src/pages/CandidateDashboard.tsx: candidate entry point for resume upload and status actions.

frontend/src/pages/ApplicationStatus.tsx: candidate pipeline timeline and recruiter decision-note rendering.

frontend/src/pages/CandidateDetail.tsx: recruiter deep-dive view including charting, AI report parsing, baseline checklist, resume modal.

frontend/src/lib/api.ts: typed client wrappers for all backend endpoints and token handling.

Backend Responsibility Map

backend/app/api/v1/auth.py: register/login/me and role context.

backend/app/api/v1/resume.py: upload/parse/persist resume structures.

backend/app/api/v1/assessment.py: execute/score assessment and finalize candidate recommendation state.

backend/app/api/v1/telemetry.py: ingest and retrieve proctoring event records.

backend/app/api/v1/dashboard.py: recruiter aggregate APIs, status updates, baseline summary exposure.

backend/app/services/zone_parser.py: section extraction and scoped experience estimation.

backend/app/services/glass_box.py: AI prompting, response parsing, fallback rules, confidence handling.

backend/app/services/baseline.py: role baseline configuration and dynamic checklist status logic.

Data Coupling Notes

CandidateDetail endpoint is intentionally rich; it serves most recruiter detail requirements in one call to reduce frontend chattiness.

Assessment complete endpoint is the key transaction boundary where final scoring and recommendation state are synchronized.

Telemetry writes are decoupled from assessment submits to preserve stream-like event logging.

Operational Advice

For debugging recommendation drift, inspect: candidate.resume_parsed_data, submission pass counts, integrity event counts, and baseline summary in candidate detail payload.

For demo reliability, prioritize deterministic event paths and avoid dependence on device-specific camera behavior.