

ComplyLens

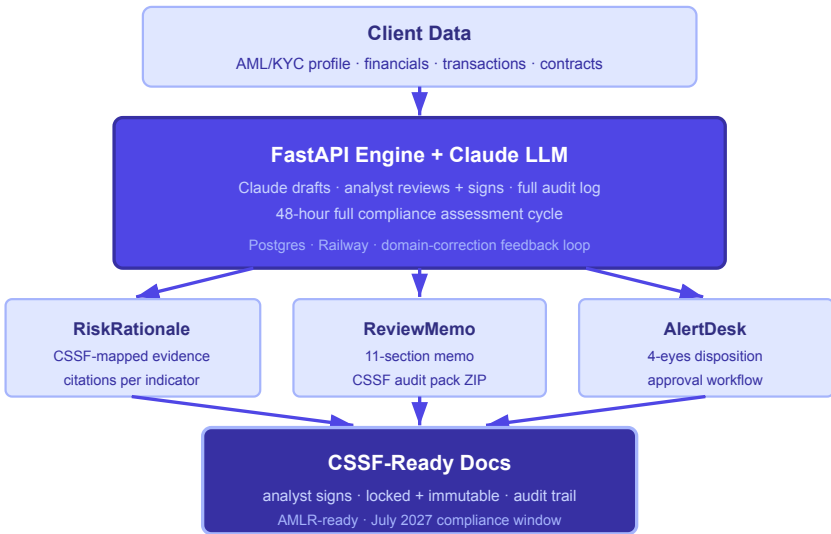
Makes CSSF-inspection-ready compliance documentation auditable — reasoning visible, evidence cited, every determination defensible.

complylens.vercel.app

THE PROBLEM

Luxembourg AML/KYC compliance teams produce manual review documentation with no structured evidence chain. In 2024, CSSF handed down €4.7M in fines — up 52% year-on-year. The problem isn't whether a review happened; it's whether the reasoning was auditable by a regulator. AMLR applies July 2027, creating a first-mover window for tools built on traceable AI reasoning.

ARCHITECTURE & DATA FLOW



WHAT I BUILT

- › RiskRationale: classifies client AML risk and generates structured evidence citations mapped to specific CSSF risk indicators — not a black-box score, a reasoned classification with a regulatory anchor for every finding.
- › ReviewMemo: generates full 11-section periodic review memos with a companion CSSF audit pack (ZIP export). Claude drafts the entire structure; the compliance officer reviews, corrects, and signs.
- › AlertDesk: sanctions and PEP alert dispositions with a four-eyes approval workflow. Claude drafts the disposition; a second reviewer approves before the record is locked and immutable.
- › Full audit log records every AI determination. Analysts correct AI output through a structured domain-correction loop that feeds back into the system. Every citation maps to a CSSF indicator via a codified regulatory_framework module.
- › Password-gated live demo (Meridian Holdings synthetic scenario) accessible to prospects. Rapid MVP deployment within 48 hours to validate architecture.

WHAT THIS DEMONSTRATES

LLM product design where the core constraint is regulatory auditability — not just "does the AI output work" but "can a regulator trace every determination back to its evidence." Built for Luxembourg's specific CSSF framework with a clear market window before AMLR 2027.

KEY NUMBERS

3

product
pillars

48h

to MVP

4-
eye

approval
workflow

2027

AMLR
deadline

TECH STACK

FastAPI

Next.js 15

PostgreSQL

Railway

Vercel

Claude

WeasyPrint

Celery

Redis

Sameer Bhalerao

Senior Analytics & AI
Leader · Luxembourg
11+ years · 9 years at
Amazon (L6)
Co-founder with Sachin
Bhalerao

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