MF

CASE STUDY

LEGAL / LITIGATION

CourtSync — Court-Case Monitoring Platform & Infrastructure

A court-monitoring platform for Greek law offices, built on custom monitoring infrastructure with court-system integrations, isolated scheduled checks, secure credential handling, change detection, and email notifications.

KEY METRIC

20,000+

automated court checks per month

130+ hours*

Saved per month

10+

Law offices monitoring cases with CourtSync

* Estimated based on twice-daily manual checks, 20 working days per month, and a one-minute average manual check time.

Manos Fragkiadakis

AI/Product Engineer

LEGAL / LITIGATION

20,000+ automated court checks per month.

PROJECT
CourtSync

CLIENT
Own product (public beta)

INDUSTRY
Legal / Litigation

ROLE
AI/Product Engineer

CONTEXT
Greek court portals publish important case updates but have no notification layer, so lawyers had to check each case by hand.

Challenge

For lawyers managing multiple active cases, manually checking court systems was an unavoidable daily chore. A missed hearing date, procedural update, or other important change could have serious consequences for their case. A proper solution needed to provide continuous and reliable monitoring at scale, integrate with court portals that differ in access model and data structure, securely manage access on the lawyers' behalf, detect changes automatically, and notify lawyers when action was required.

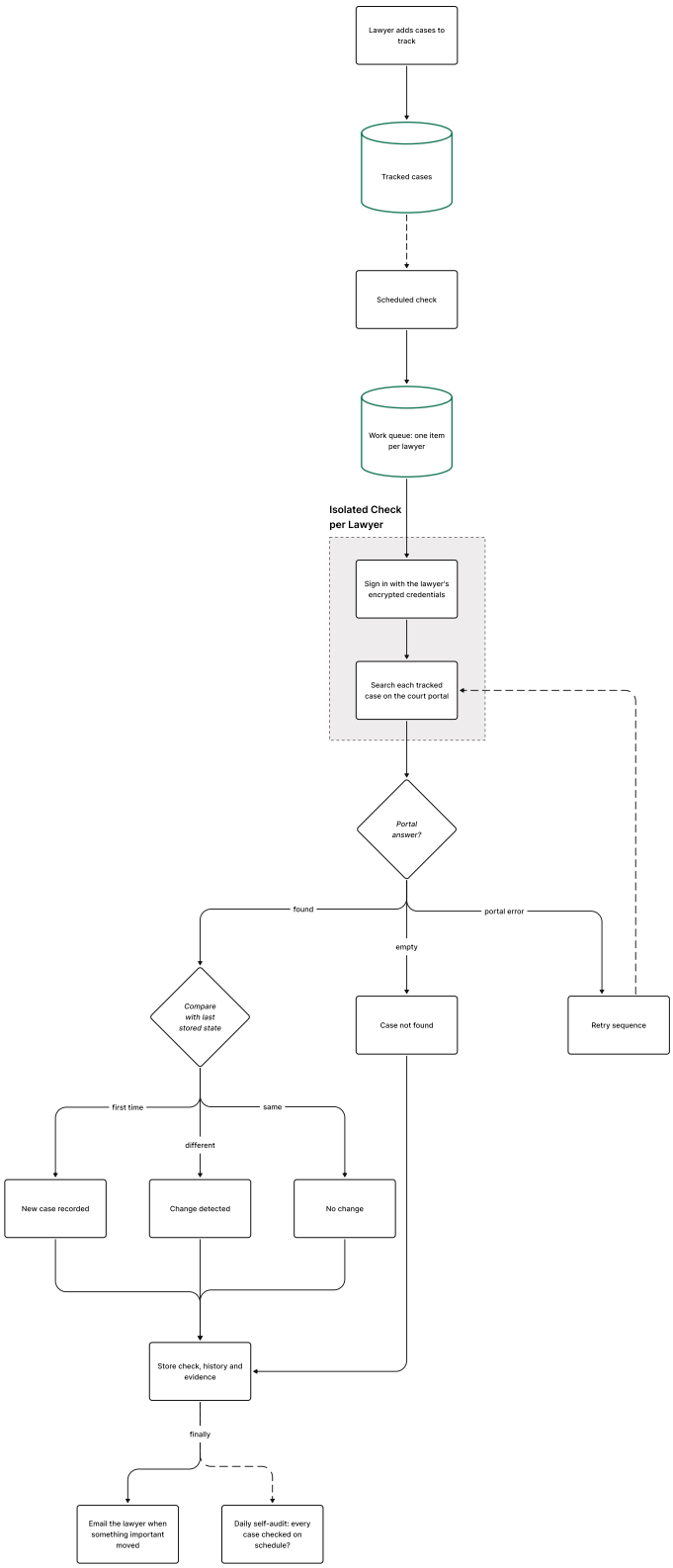
Approach

I designed and built CourtSync, a SaaS platform for legal professionals, built on custom court monitoring infrastructure. Lawyers add the cases they want to track, and CourtSync checks them on a schedule against the Greek court portals.

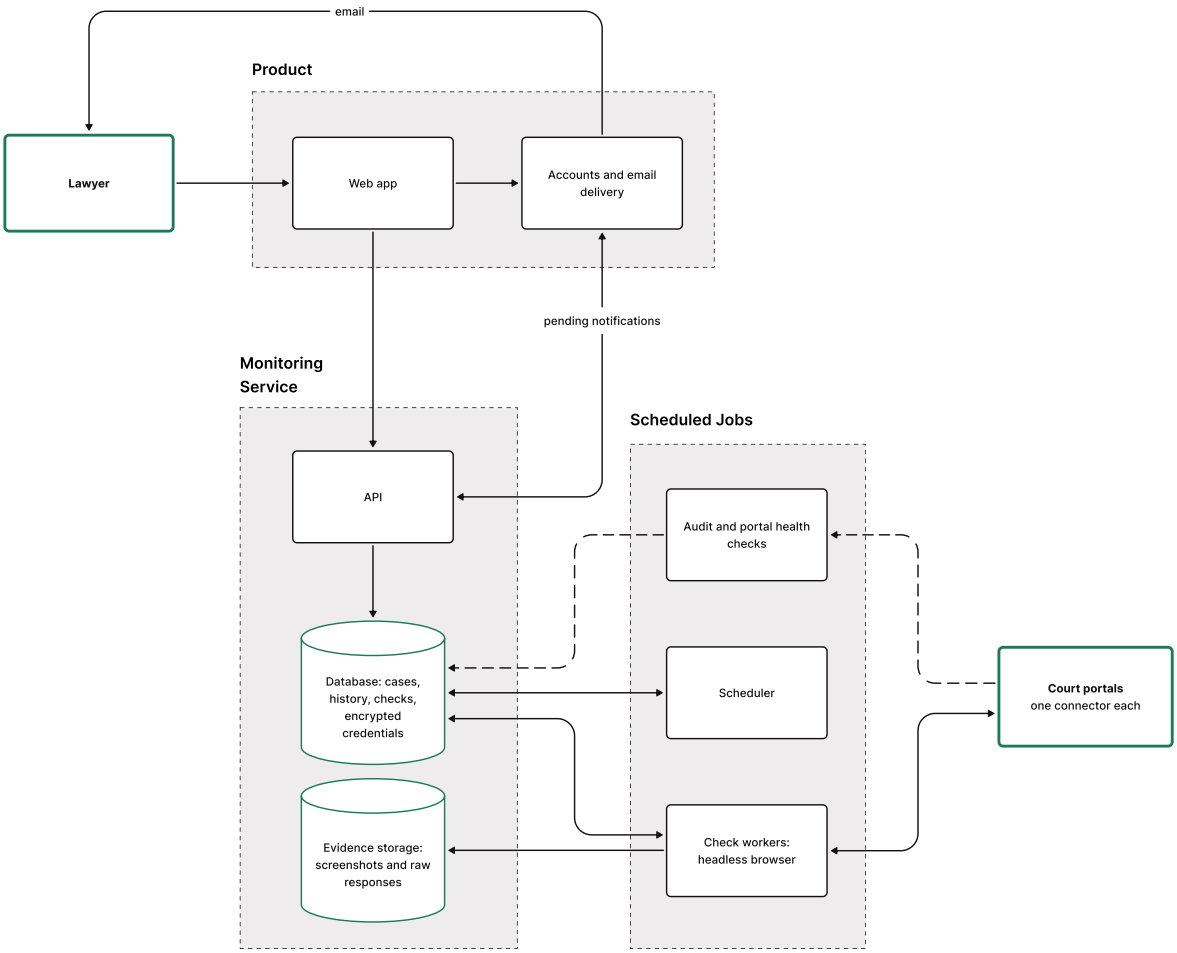
Four dedicated connectors handle the different court portals. Each scheduled check runs in isolation and, where a portal requires a login, signs in with the lawyer's own credentials, kept encrypted. It then compares the result with the last stored state, keeps a history of every change, and emails the lawyer when something important moves.

The system was built around a simple principle: **lawyers should focus on their work and get notified when a case requires their attention, instead of spending time monitoring court portals.**

Solution Overview



The monitoring cycle: each scheduled check signs in as the lawyer, compares every tracked case with its last stored state, records history and evidence, and notifies only on change.



System architecture: the web app and account layer, the monitoring service with its database and evidence store, the scheduled jobs, and one connector per court portal.

How It Works

`Automation at scale` `Custom portal integrations` `Secure credential handling` `Change detection` `Email notifications`

Tech Stack

`FastAPI` `LangGraph` `Next.js` `PostgreSQL` `Azure` `Frappe Cloud`

Results & Impact

CourtSync is currently in public beta and is used by more than 10 law offices in Athens. The system performs 20,000+ automated court checks per month, monitoring active cases across first-instance courts, appeal courts, and the Supreme Court, and notifying lawyers when tracked information changes.

For the offices on the platform, that is more than 130 hours a month of portal checks that nobody has to make by hand.

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> *This system helped us tremendously. I cannot imagine the rest of my professional life without this!*
>
> CM **Managing Partner**
> Criminal defense practice

Project Details

LOCATION
Greece

TIMELINE
Q3–Q4 2026

TEAM SIZE
2-person team — AI/product engineer and legal advisor

ABOUT MANOS

Manos Fragkiadakis is an Applied AI Engineer building document intelligence and AI knowledge systems. He has over five years of Python software development experience and has built custom ERP and CRM systems for professionals. His recent work includes cited RAG across 3,000+ page legal case files and court-monitoring automation software used by 10+ law offices. He previously worked as an AI engineer and taught Natural Language Processing at Utrecht University.

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