FULL STACK WEB DEVELOPER & AI ENGINEER

KENNY REYES

PORTFOLIO
Projects 2026

PROJECTS
06 selected

BASE
Dominican Republic

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Six projects, each with an overview page and a detail page: role, tech stack, and key features.

03 **Tech stack**

16 **Roblox games**

TECHNOLOGIES

STACK

AI & LLMS

Claude API · Google Gemini · GPT-4o-mini · DeepSeek · Multi-model routing · RAG · pgvector · AI agents · Hallucination checks

AI-ASSISTED DEVELOPMENT

Claude Code · Claude Design · MCP · Roblox Studio MCP · Atlassian Rovo MCP

DOCUMENTS & OCR

Docling · RapidOCR · PP-OCR · Reducto · LLM Vision · pypdfium2

BACKEND

Python · FastAPI · Django · Pydantic · Alembic · PostgreSQL · SQLite

FRONTEND & MOBILE

React · TypeScript · Vite · Astro · Tailwind CSS · React Native · Expo

INFRASTRUCTURE

Hetzner Cloud · Cloudflare (CDN/WAF, Workers, Pages) · RunPod (GPU) · Microsoft Entra ID · WordPress

15+
years in tech

2022
building with LLMs since ChatGPT launched

ISTQB
advanced software testing certification

INTEGRATIONS & APIS

WhatsApp Cloud API · DataForSEO · Brave Search API · YouTube Data API · JWT

DESKTOP & GAMES

PyInstaller · Inno Setup · Roblox Studio · Luau

METHOD, QA & SEO

Scrum · Jira · Confluence · ISTQB Advanced · SEO · AEO · GEO

In production

Technical monitoring of surety bond portfolios for insurers in Panama

Web SaaS · 2 months of intensive development

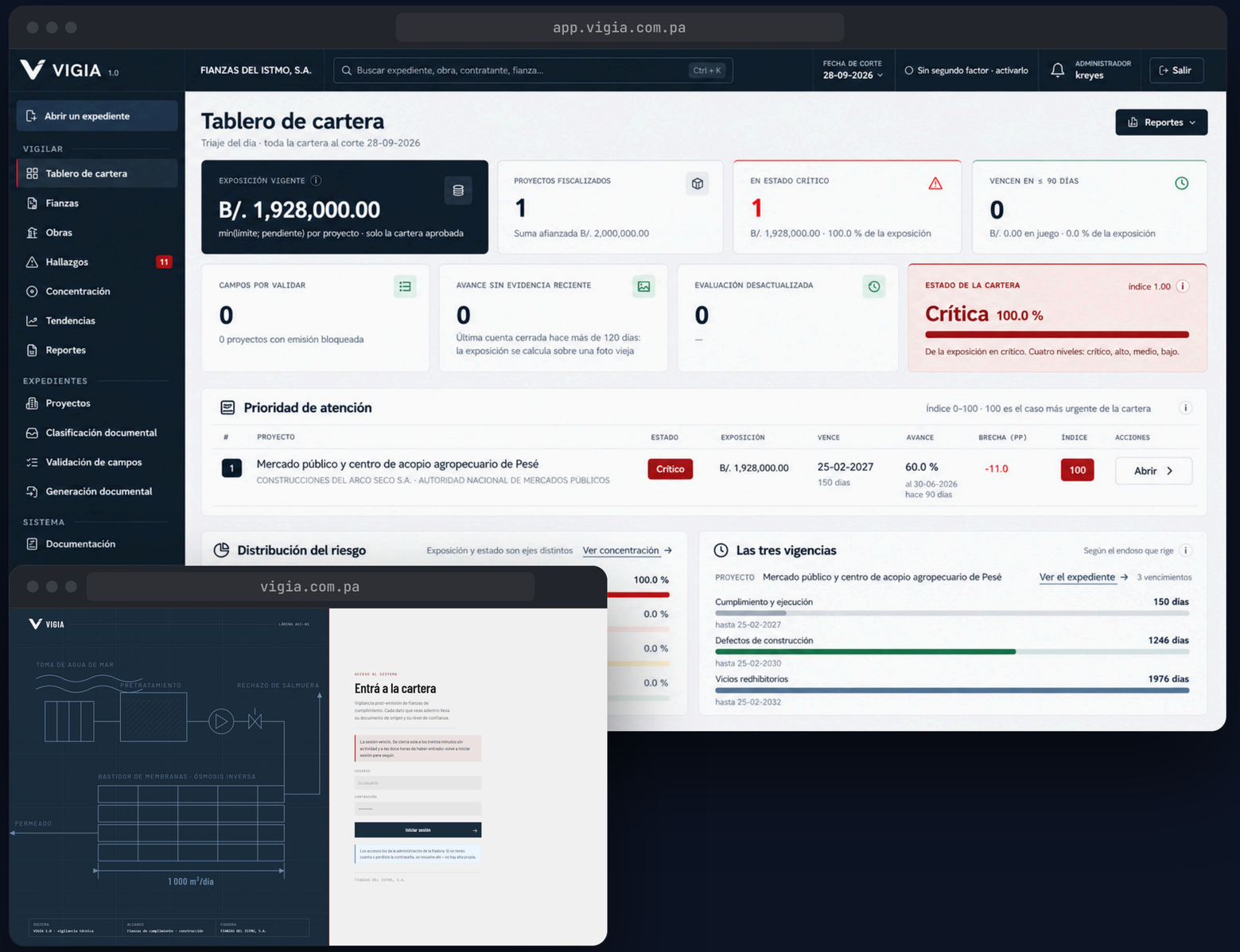
MY ROLE

- Software Architect
- Full Stack Developer (backend & frontend)
- Visual identity
- Licensing & support system

TECH STACK

- Python
- Django
- PostgreSQL
- Google Gemini (LLM Vision)
- Reducto (OCR)
- WhatsApp Cloud API
- Cloudflare (CDN/WAF, Workers)
- Hetzner Cloud

VIGIA



Operational SaaS for insurers in Panama that manages and technically monitors their construction performance bond portfolios. It uses AI to extract data from each case file, cross-checks it across documents, and turns findings into alerts and reports.

KEY FEATURES

Traceable extraction

Case file ingestion and AI-powered OCR. The viewer highlights where each data point came from in the original document.

Cross-analysis

Compares documents against each other, detects findings, and tracks them until resolved.

Alerts & reports

Alerts and notifications for the team, plus a PDF report per project.

VIGIA Bot on WhatsApp

Portfolio queries straight from WhatsApp.

Document generation

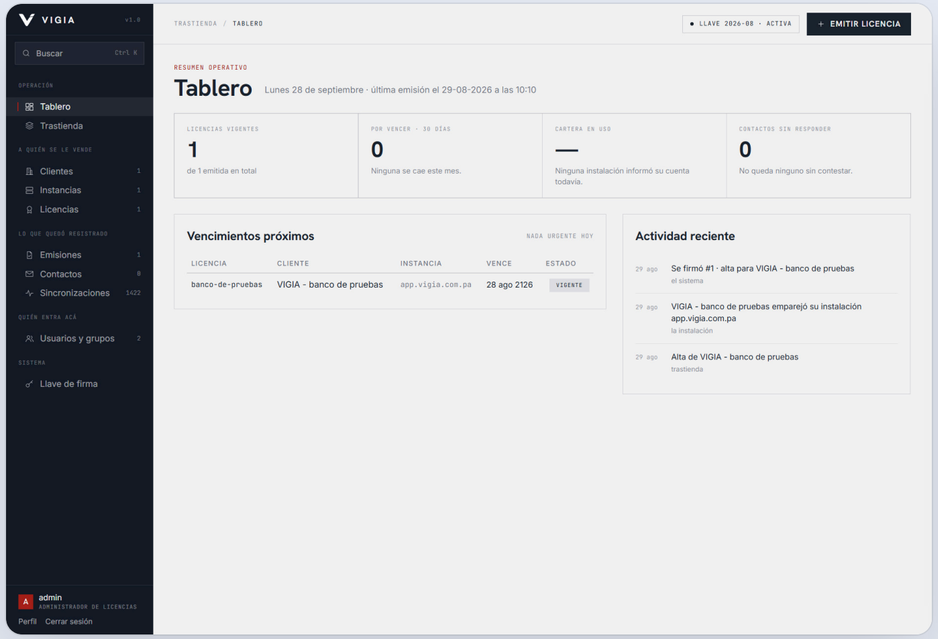
Creates documents from templates.

Licensing & support

Licensing at license.vigia.com.pa and per-client ticketing at support.vigia.com.pa.

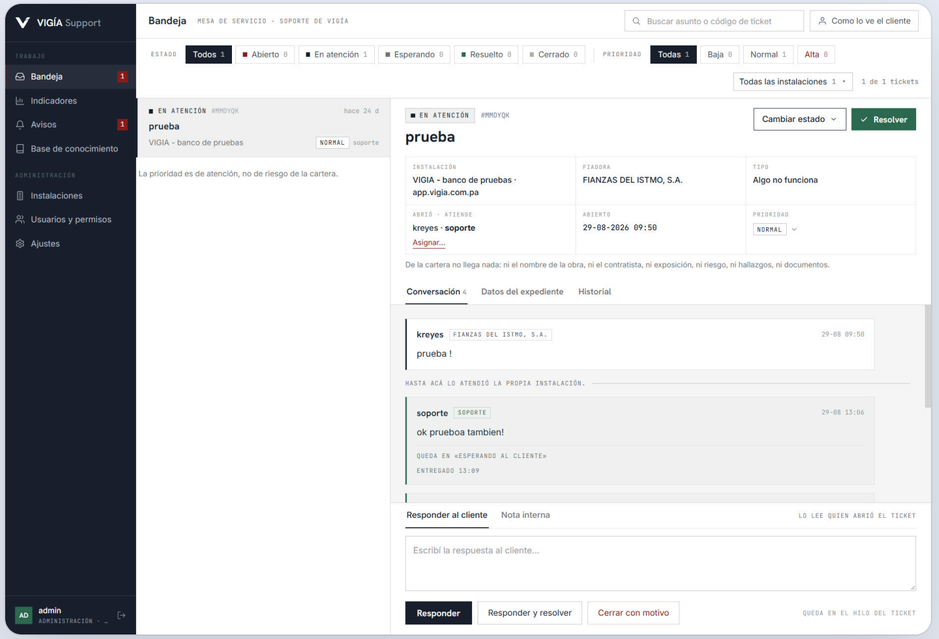
LICENSING

license.vigia.com.pa



SUPPORT & TICKETING

support.vigia.com.pa



In production

Condominium and residential community management, on web and mobile

Web dashboard and mobile app (iOS & Android)

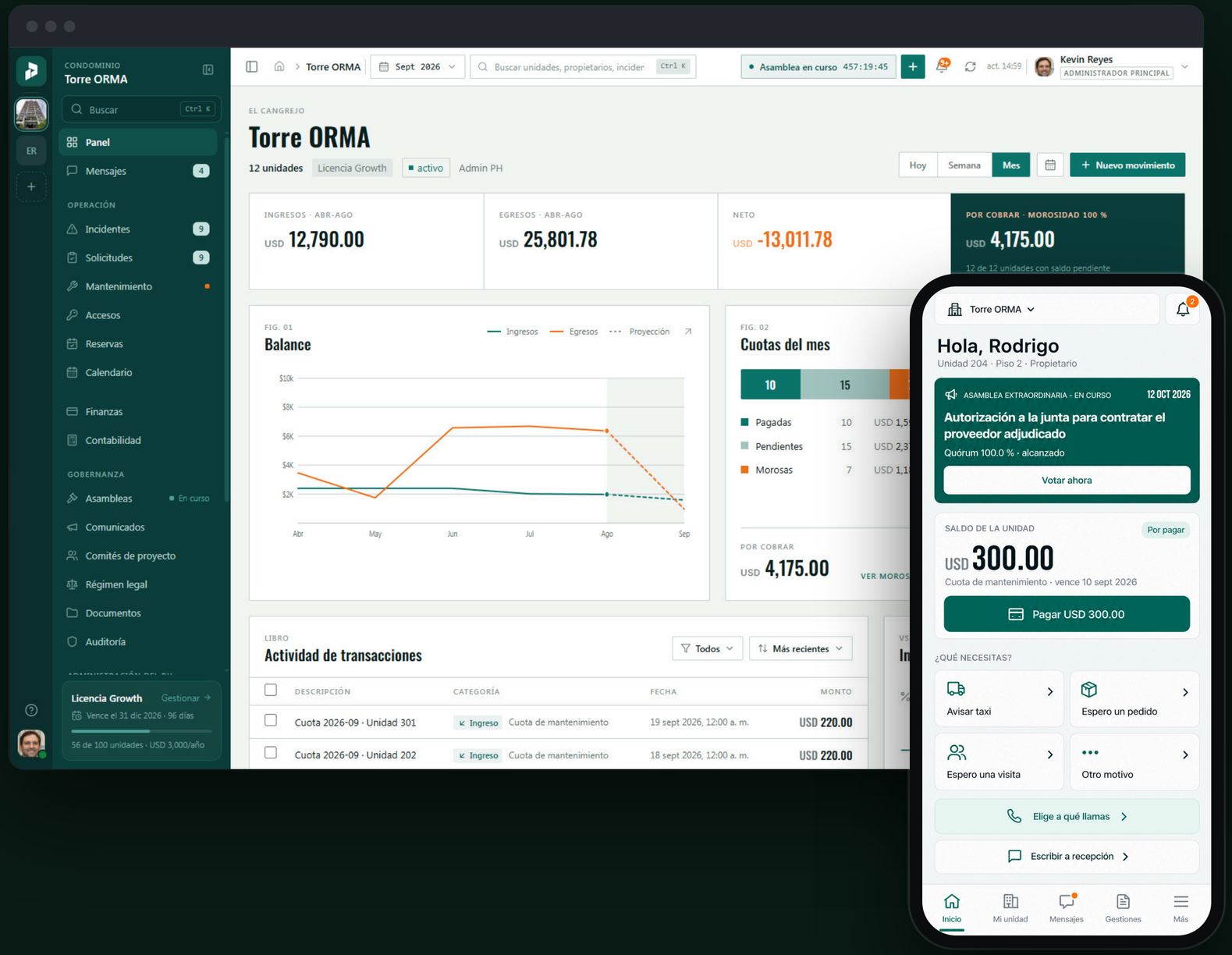
MY ROLE

Full Stack Developer (backend & frontend) | Visual identity

TECH STACK

React Native | Expo | TypeScript

PREDDI



SaaS platform for managing condominiums and residential communities: a web dashboard for management and a mobile app for owners, tenants, front desk, and the board. Each management company operates in isolation, with invitation-only access.

KEY FEATURES

Role-based access
Management, Board of Directors, and Co-owners, each with their own access.

Finance
Income, expenses, fees, accounting, and delinquency per unit.

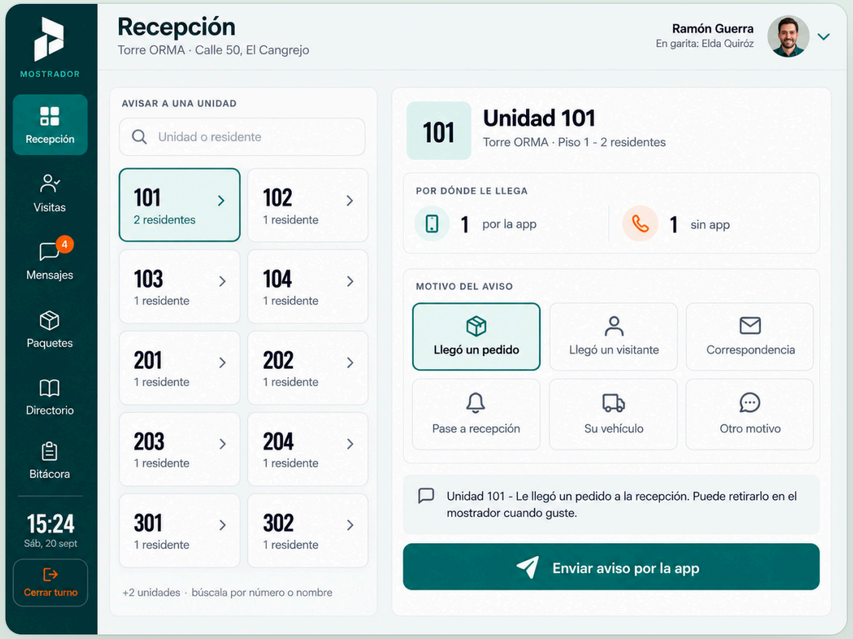
AI collections agent
Supports fee collection and delinquency follow-up.

Smart assemblies
From meeting audio to minutes and resolutions. Owners vote from the app.

Front desk console
From a tablet, reception notifies each unit about deliveries, visitors, and mail.

Resident app
Balance and fee payments, notices to the front desk, and messages.

FRONT DESK CONSOLE ON TABLET



WEB LOGIN



In production

Billing and inventory for auto parts, on Windows

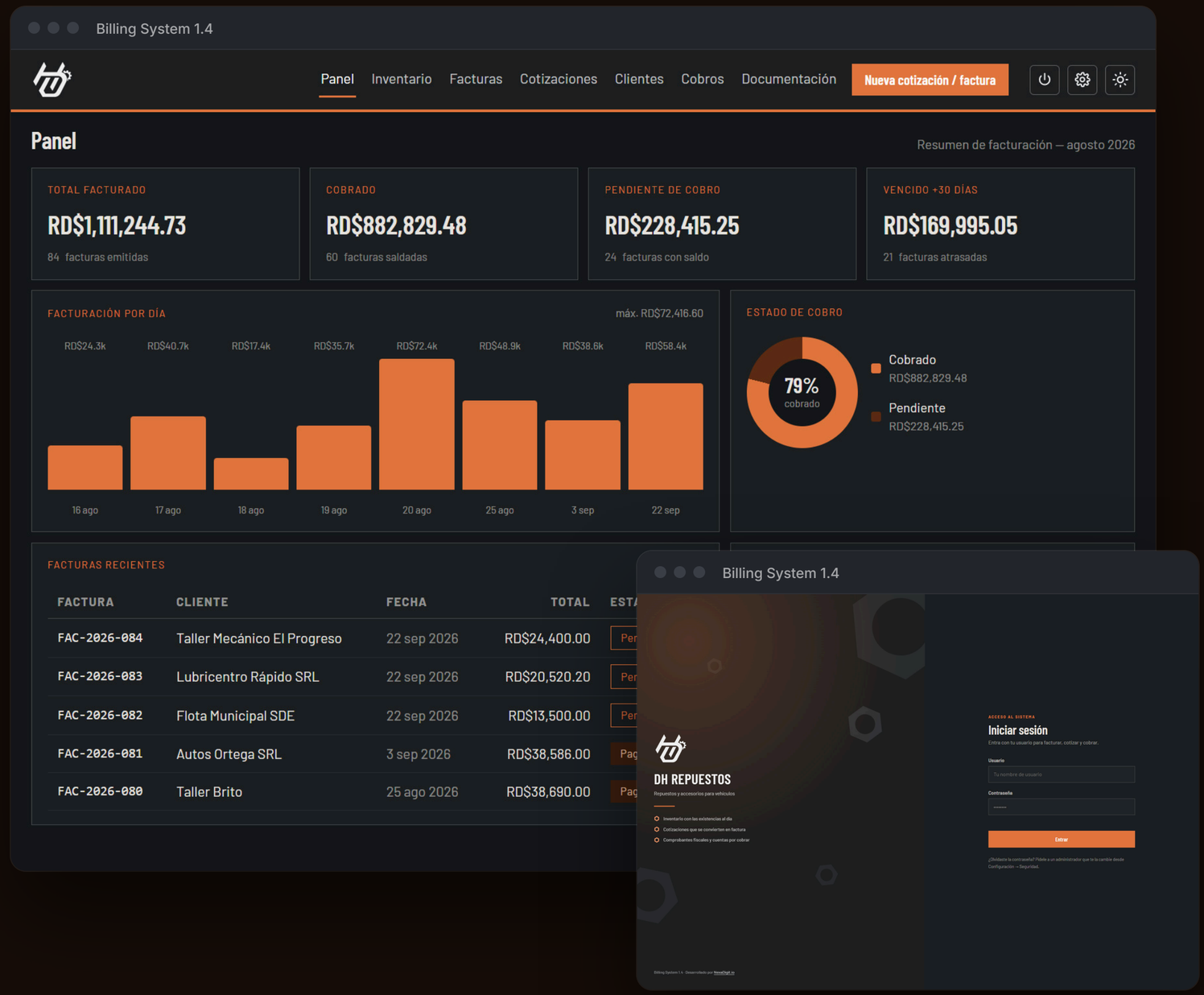
Windows desktop · In active use by the client

MY ROLE

Full Stack Developer (backend & frontend) | Visual identity

TECH STACK

Python | SQLite | PyInstaller | Inno Setup



DH SERVICIOS

System an auto parts and accessories business uses to quote, invoice, and collect payments, with up-to-date inventory and control over what has been collected and what is outstanding.

KEY FEATURES

Up-to-date inventory
Current stock levels for every part.

Quote to invoice
Quotes convert into invoices.

Tax receipts
Invoices issued with their official tax receipt (NCF).

Accounts receivable
Each invoice shows whether it is paid, pending, or more than 30 days overdue.

Billing dashboard
Total invoiced and collected, daily billing, and best-selling parts.

Clients & payments
Client records and payments received.

RECENT INVOICES

FACTURAS RECIENTES

FACTURA	CLIENTE	FECHA	TOTAL	ESTADO
FAC-2026-084	Taller Mecánico El Progreso	22 sep 2026	RD$24,400.00	Pendiente
FAC-2026-083	Lubricentro Rápido SRL	22 sep 2026	RD$20,520.20	Pendiente
FAC-2026-082	Flota Municipal SDE	22 sep 2026	RD$13,500.00	Pendiente
FAC-2026-081	Autos Ortega SRL	3 sep 2026	RD$38,586.00	Pagada
FAC-2026-080	Taller Brito	25 ago 2026	RD$38,690.00	Pagada

BEST-SELLING PARTS



Delivered

Website and admin panel for an SIMV-regulated investment fund manager

Client project · Migration from WordPress to Astro + Cloudflare

MY ROLE

- Design
- Full Stack Developer (backend & frontend)
- Cloudflare migration

TECH STACK

- Astro
- Cloudflare
- Microsoft Entra ID

AMERGENT PARTNERS



Redesign of the website for Amergent Partners, an investment fund manager regulated by the SIMV, migrated from WordPress to Astro on Cloudflare. It includes a custom admin panel so the team can publish content, documents, and the fund unit value without a developer.

KEY FEATURES

Custom admin panel
Pages, posts, team, funds, and documents, with draft, preview, and publish.

Fund unit value
Enter the unit value manually or paste it from Excel.

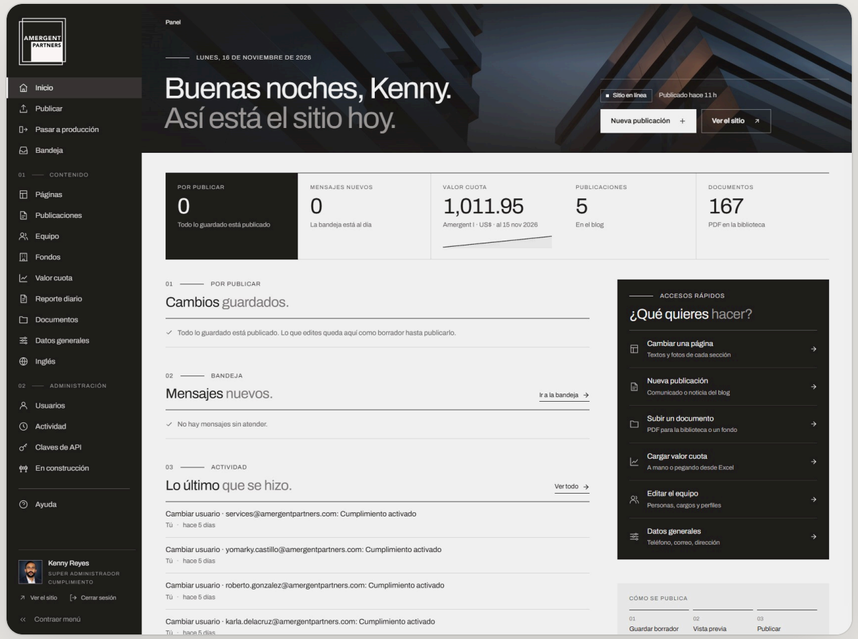
Document library
PDFs for the general library and for each fund.

Geo-based bilingual site
Spanish or English based on the visitor's country, with a manual switch.

SEO & GEO content
Copy restructured from the fund manager's official documents.

Microsoft 365 sign-in
The team signs in with their corporate account, each user with their own role.

ADMIN PANEL



ABOUT SECTION

amergentpartners.com



In development

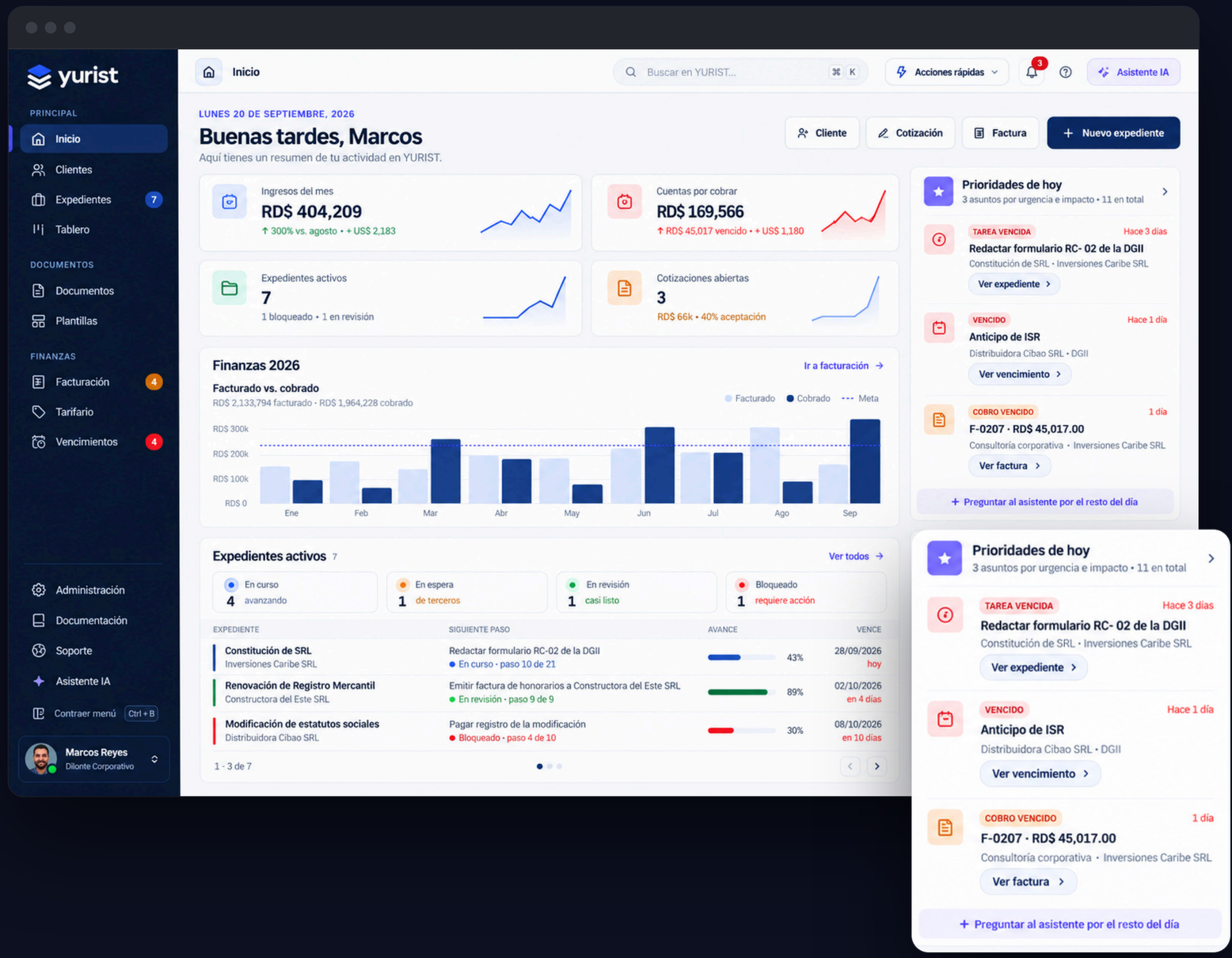
AI-powered SaaS for lawyers and law firms

Own product · Web SaaS

MY ROLE

Full Stack Developer (backend & frontend) | Visual identity

YURIST.IO



05 YURIST.IO

AI-powered SaaS for law firms, consultants, and independent lawyers: clients, case files, billing, and documents in one place, with the legal requirements for each filing. It starts with corporate law in the Dominican Republic.

KEY FEATURES

Clients & case files

Per-case folders, history, and deadline alerts: commercial registry, trade name, RPE, and annual meeting.

Per-filing checklist

Shows the documents required by law for each filing and checks them off as they are uploaded.

Billing & rate card

Quotes, invoices, and finances per client; each service with its cost and price.

AI Kanban

Fills itself with the tasks for each filing.

Document generation

Applications, contracts, and other documents from templates.

Virtual assistant

RAG-powered assistant that knows the whole system.

ACTIVE CASE FILES



UPCOMING DEADLINES



In development

OCR, extraction, and document generation library for ProDoctivity

Python library · Installed on each client's server

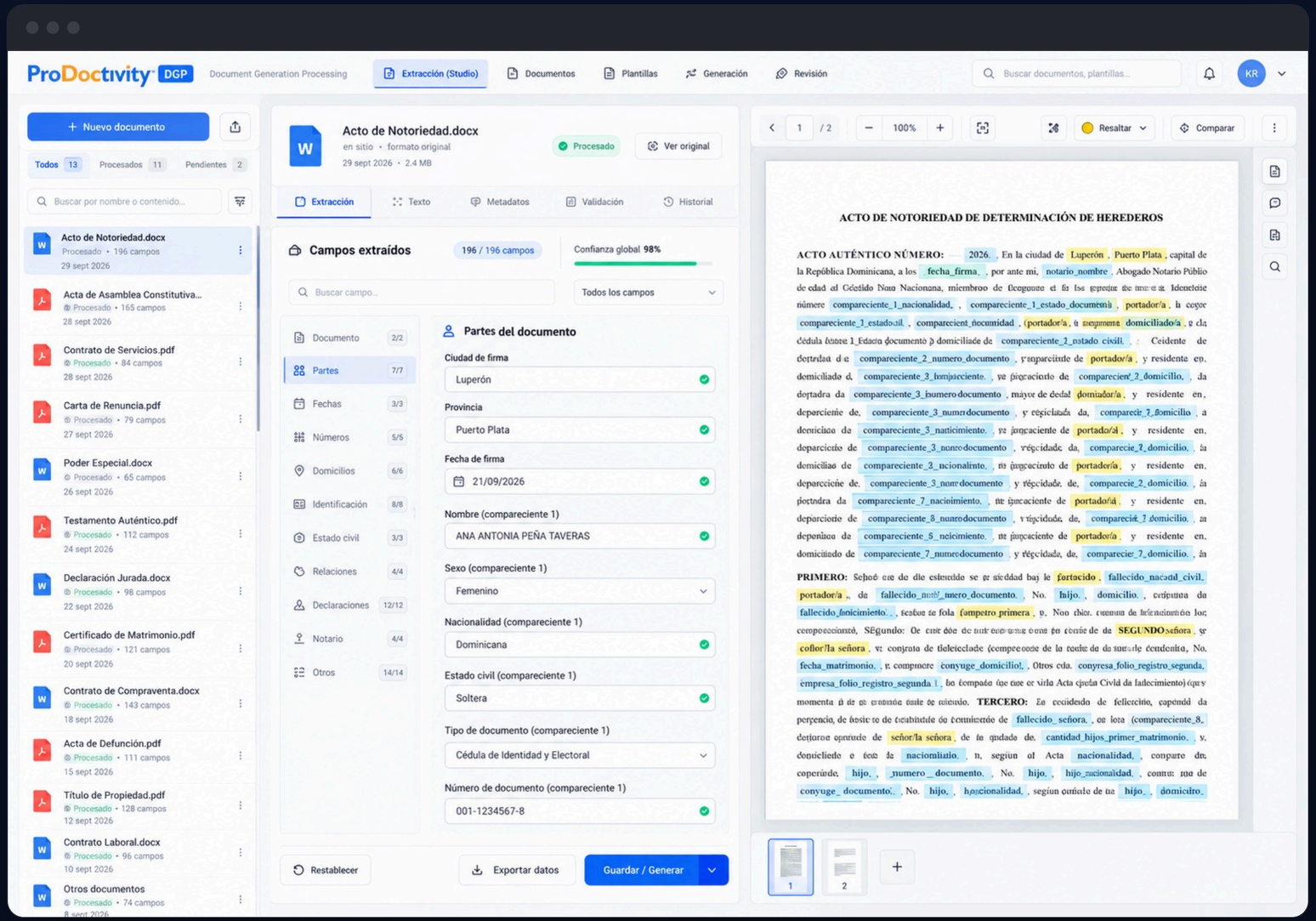
MY ROLE

AI Engineer & Lead Developer

TECH STACK

Python · Docling · RapidOCR · pypdfium2 · FastAPI · React

PRODOCTIVITY DGP



06 PRODOCTIVITY DGP

Python library built for ProDoctivity that reads documents, extracts their data with OCR and AI, and generates documents from templates. It is installed on each client's server and powers the document engine behind VIGIA and YURIST.IO. Version 1.0 focuses on Spanish-language documents.

KEY FEATURES

Multi-format parser

PDF, DOCX, XLSX, JPG, PNG, WEBP, and TIFF, with native reading or OCR depending on the document.

Templatization

Detects which parts of a document are variable and returns them as reusable fields.

Engine cascade

Combines multiple reading engines, with blind double-reading to validate the data.

Batch mode

Processes large document volumes on cloud GPUs.

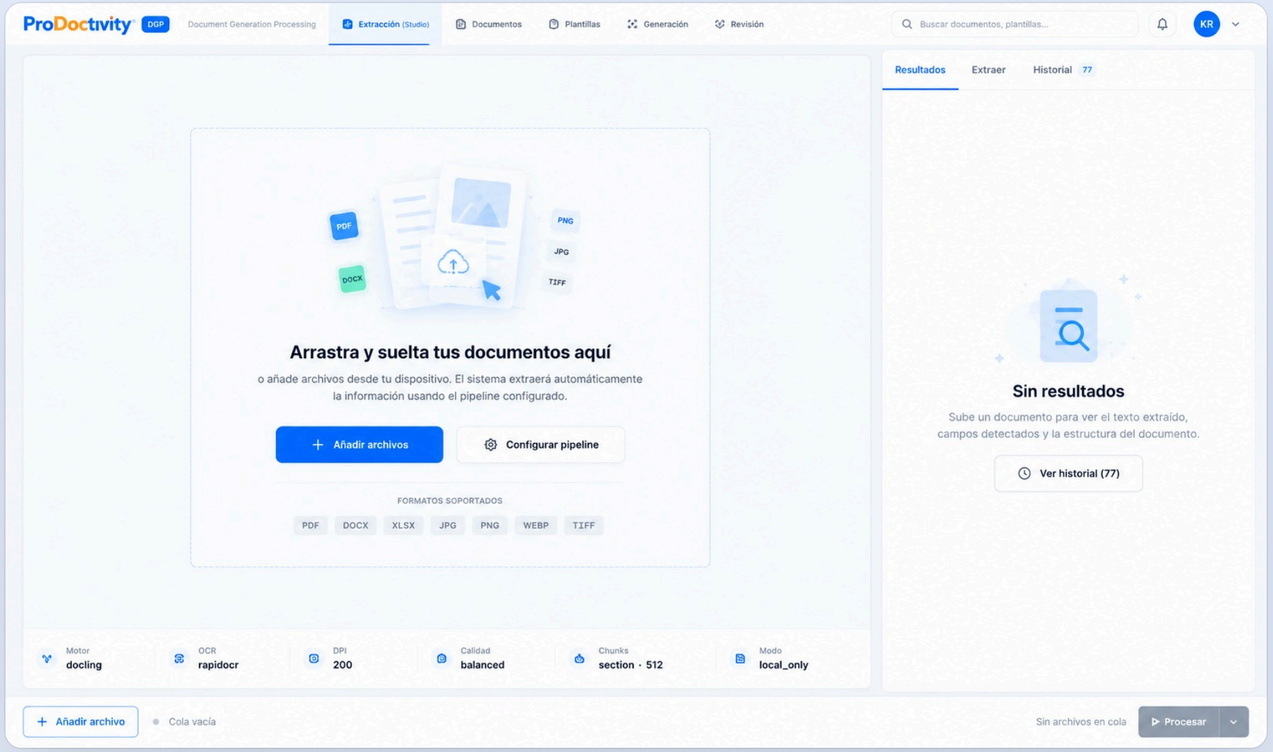
Extraction Studio

Review each extracted field next to the original document, with its confidence level.

On-premise license

Runs on the client's infrastructure, with no dependency on third-party APIs.

UPLOAD & EXTRACTION PIPELINE



Published

BLAST KARTS

Free-for-all kart battle in a space arena

Roblox experience · Lobby + Arena

360° turret combat
Precision laser aimed with the mouse, independent of steering.

Five power-ups
Homing missile, mine, plasma shield, EMP pulse, and black hole.

Bots
Opponents that play like real players.

Social lobby
Garage, kart shop, social area, and a ship that carries players to the arena.

First to 30 KOs
An explosion on every KO and respawn at a safe point.

Roblox Studio · Luau · Claude Code · Roblox Studio MCP





In development

Horror survival in an abandoned toy factory

Published on Roblox · Horror survival

Nights with objectives
Each night has a time limit and a goal: collect 6 gears.

Team play
A panel showing the status of every teammate.

Map with hiding spots
A factory designed with monster routes and places to hide.

Original monsters
Characters and monsters created for the toy factory.

Phased development
World, characters, and gameplay, built one at a time.

Roblox Studio | Luau | Claude Code | Roblox Studio MCP





SURVIVE THE TOY FACTORY