



Redax AI

AI Cloud Intelligence meet Local Privacy Control

Powered by Google Gemini | Built for
privacy-conscious enterprises

Presenter
Stefano Alli Maccarani
Stefano@digitalscience.tech

←

Redax AI

AI-guided template learning with Gemini

AI Assistant

i want to redact email and SSN of the tenant

12:51:15 AM

Great! I found 2 fields with coordinates: 1 EMAIL, 1 GOVERNMENT ID. I've highlighted them on the PDF for you.

12:51:31 AM

Type your request...

Send

Template Annotation

Start Selecting

Save Template

11/18/25, 12:14 AM

Residential Lease Agreement

RESIDENTIAL LEASE AGREEMENT

San Francisco, California

1. PARTIES

This Lease Agreement ("Agreement") is entered into on January 16, 2025

BETWEEN:

Landlord: Christopher Jackson

Address: 6115 Bryant Street, San Francisco, CA 94100

Phone: (415) 555-8175

Email: christopher.jackson@email.com

SSN: 766-45-8392

AND:

Tenant: Amanda Martinez

Current Address: 762 Folsom Street, San Francisco, CA 94101

Phone: (415) 555-5917

Email: amanda.martinez@email.com

SSN: 152-55-2743

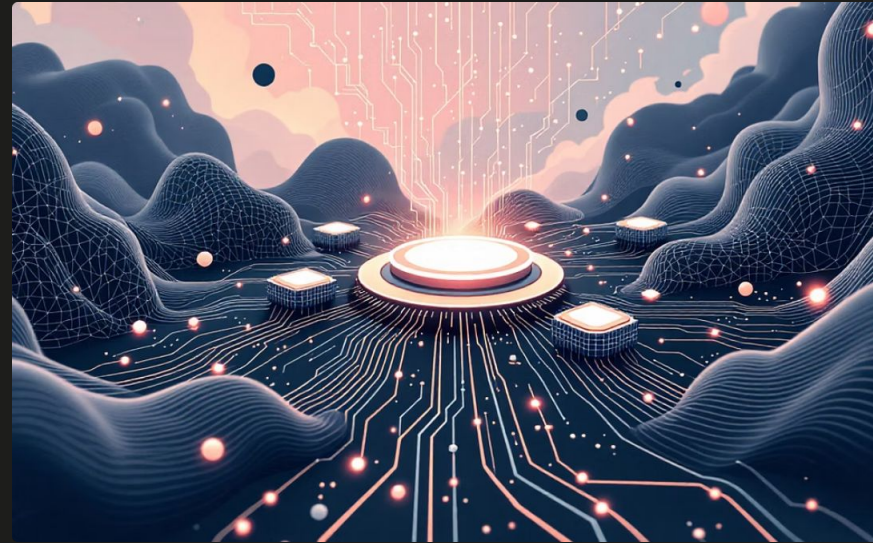
Date of Birth: August 31, 1992

The Problem: Privacy Crisis meet bad UX



Regulatory Pressure

Stringent regulations like GDPR and HIPAA impose strict rules on data handling, creating immense pressure and significant liabilities for data misuse.



AI Data Sharing Risks

Pervasive AI use requires sending more data to a multitude of additional unknown partners, amplifying data sharing risks.



Manual Redaction Challenges

Manually redacting sensitive information across diverse systems is complex, prone to errors, and a constant challenge, leading to compliance risks and potential fines.

The Configuration Nightmare

Traditional redaction tools force a choice: long setup times or data exposure risks or both

Lack of Context

Generic entity types hinder precise redaction.

No Pre-Review

Errors found only after processing, risking batch redaction.

Cloud Upload Risk

Uploading sensitive data for AI often violates compliance.

United States ▼



Favorite List

Select confidential information to remove

Try Bank account number



- ☐ Insurance provider
- ☐ Member ID of Insurance
- ☐ Group ID of Insurance

☐ • US Financial Documents ⓘ
Credit card, International banking account number (I...

☐ • GDPR ⓘ
Address, Ages, Country Code, Date of Birth, DateTim...

☒ • US Government & Legal ⓘ ...
Person name, E-mail, Date of Birth, Address, Credit ca...

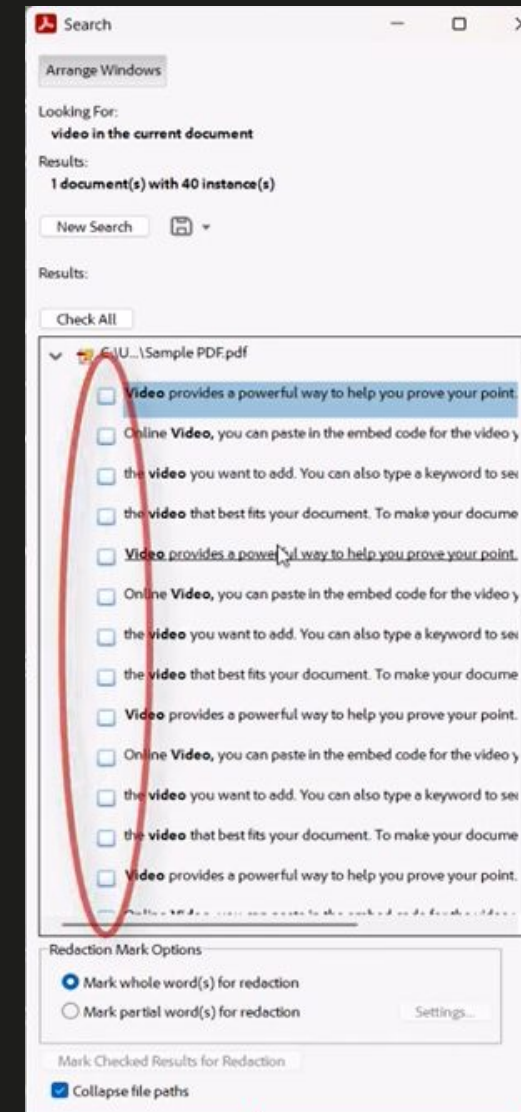
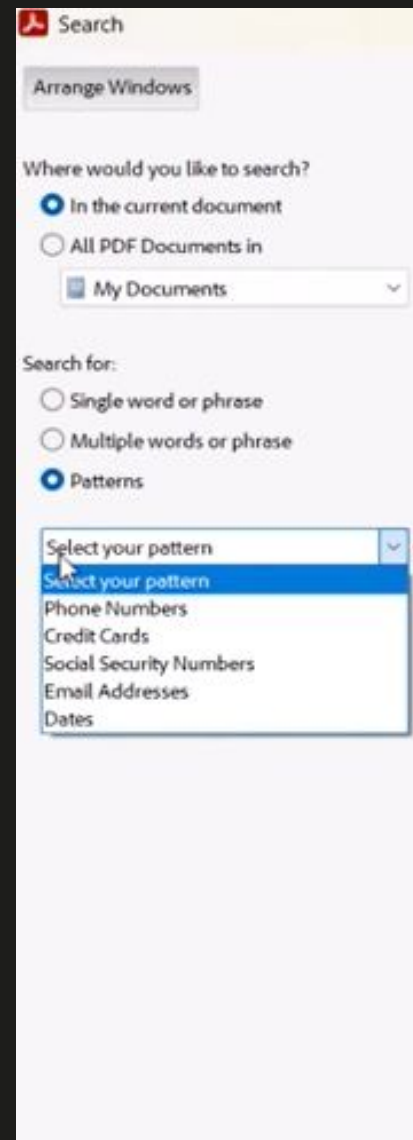
☐ • US Medical Documents ⓘ
Person name, Medication Name, Blood Type, Diagno...

Manually select

Scan

Time Consuming going through many settings

- Limited PII options to recognise
- No list stateful list of redaction terms
- Requires individual category and term review.
- Limited PII Category
- Lack of learning: each word that you redact will require in the future to be redacted again for future files



Redax AI: Three Breakthrough Innovations

Redax AI reimagines document redaction with conversational AI and enterprise privacy.



Conversational AI Configuration

Chat with Gemini to define how to redact documents. Natural language input replaces complex settings, with automatic keyword flagging.



Human-in-the-Loop Review

Review AI proposals for pixel-perfect accuracy.
Add/remove items, verify before execution.

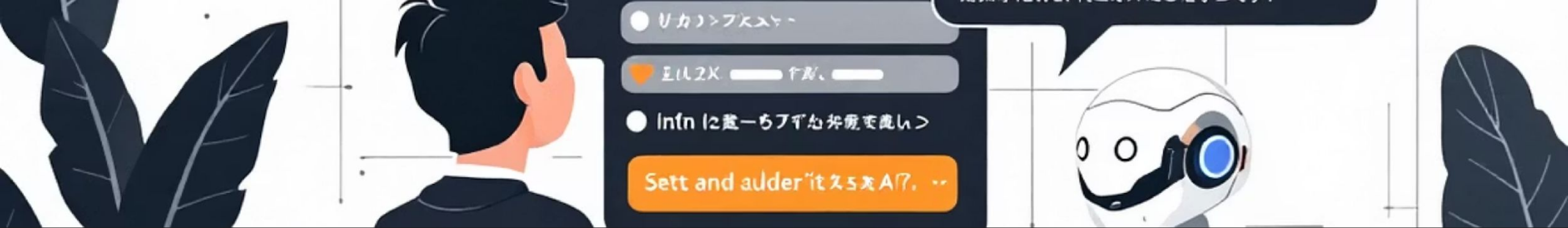


Local Batch Processing

Templated redaction can be reused on multiple documents locally.
Zero cloud uploads ensures HIPAA/GDPR compliance and rapid processing.



Intelligence + Control + Privacy – The only platform offering all three.



Chat to Gemini, Not Checkboxes

Traditional Approach

30 minutes of configuration:

- 20+ entity type checkboxes
- Manual threshold adjustments
- Repeated testing and reconfiguration
- No contextual specification ("redact patient, keep doctor")

Result: Frustration & incomplete protection

Redax AI Approach

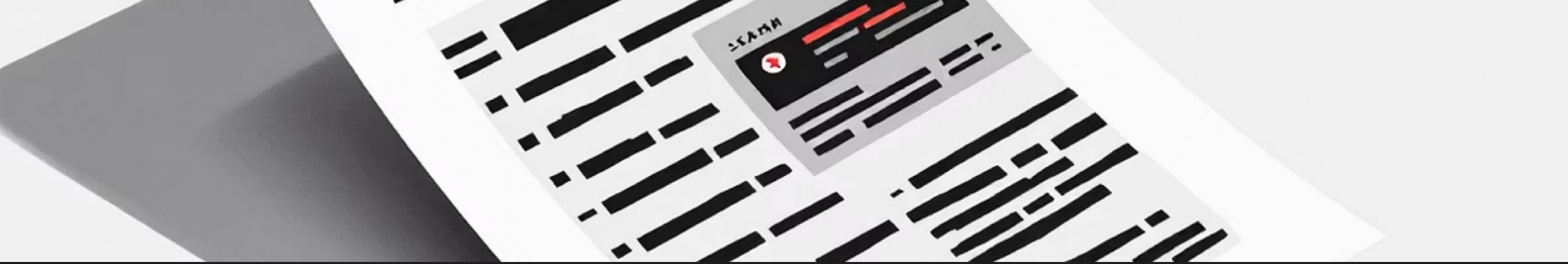
2 minutes of conversation:

"This is a medical form. Redact patient name, SSN, and address. Keep doctor name and clinic."

Gemini responds:

- ✓ Patient Name → REDACT
- ✓ SSN → REDACT
- ✓ Address → REDACT
- ✓ Doctor Name → KEEP
- ✓ Clinic Name → KEEP

Context-aware natural language configuration simplifies setup and improves accuracy.



Intelligent Local Redaction with Stateful Learning

ensures past redaction decisions inform and enhance future processes, all within your local environment



Stateful Redaction Learning

Redacted terms are can be saved to a persistent list, ensuring consistent and complete anonymization in all future files



Gemini Scan (Premium)

Gemini can also be used to run a deeper multimodal scan of the documents with custom prompt for higher accuracy



Flag & Review

Terms flagged by Gemini can be added to the redactable terms

📌 AI + keyword rules ensure 100% sensitive data coverage.



Production-Ready Architecture

Built on enterprise infrastructure with Google Gemini at its core, ensuring innovation and reliability.

Frontend Layer



- React + Electron for desktop
- PDF canvas with annotation tools
- Real-time Gemini chat interface
- Responsive web demo

AI Intelligence



- Google Gemini 2.5 Pro Multimodal for increased accuracy and conversational templates
- Context-aware classification engine
- Keyword auto-flagging system
- Confidence scoring algorithms

Processing Backend

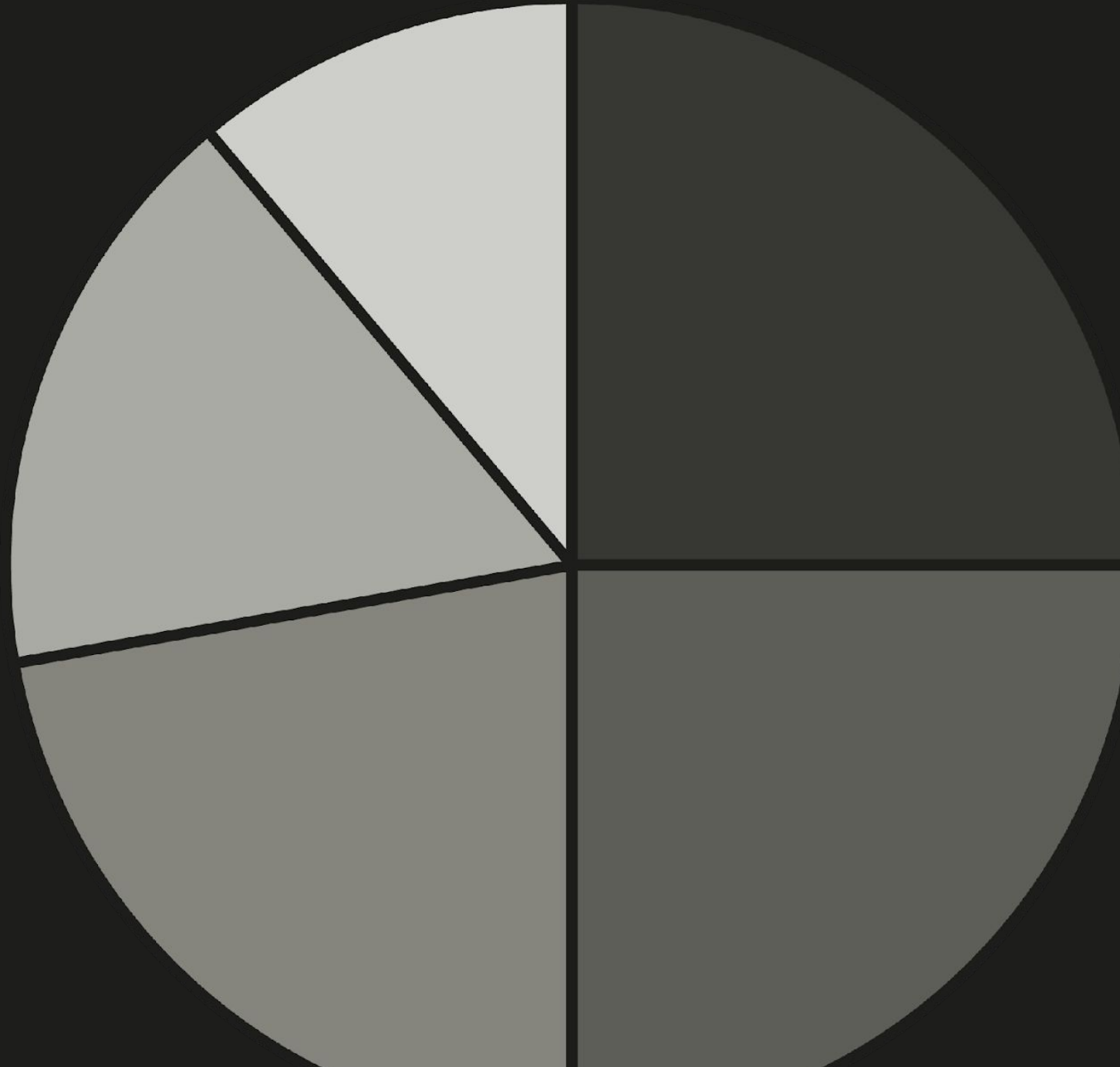


- Python + FastAPI
- Microsoft Presidio (offline fallback)
- GLINER (zero-shot NER)
- Local-first batch processing

Full codebase open source on GitHub for transparency in security audits and enterprise deployment.

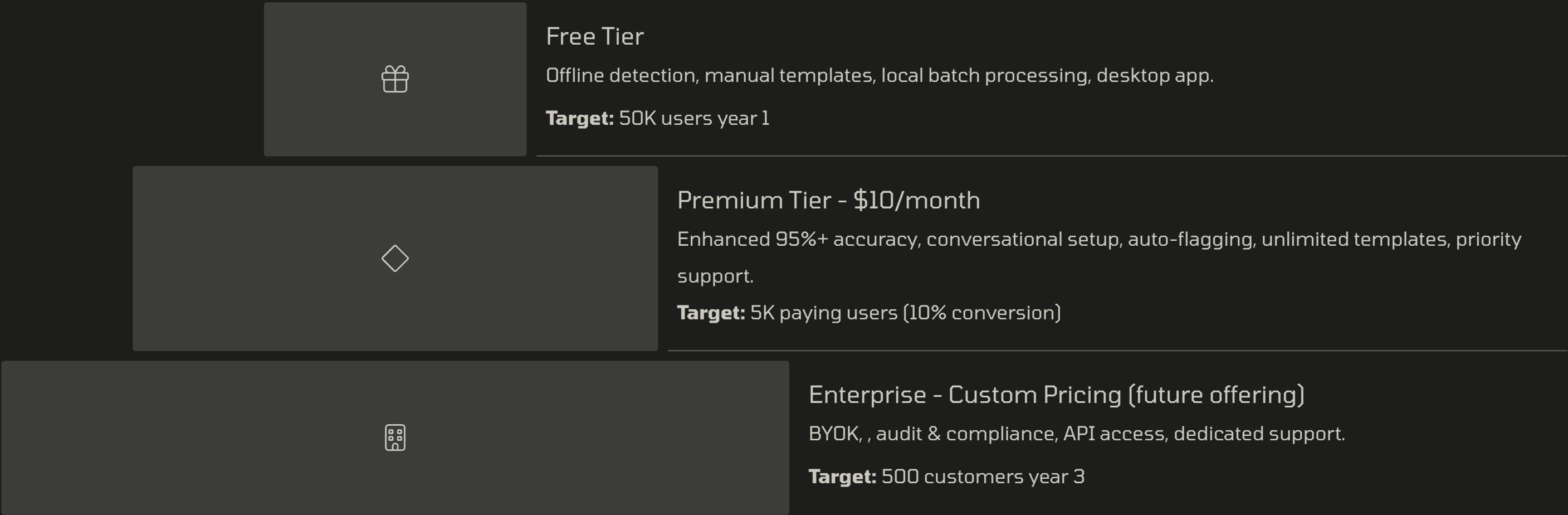
\$18B Total Addressable Market

Redax AI addresses critical redaction challenges across regulated industries, preventing millions in compliance violations and inefficiencies.



Freemium Revenue Model

A product-led growth strategy with clear upgrade paths from individual to enterprise.



30%

Conversion Target
Free to paid users

\$1.2M

ARR Year 1
Revenue projection

Try Redax AI Today

Conversational AI for document redaction, ensuring enterprise privacy with quick 2-minute setup.



Gemini Enhanced

95%+ accuracy with context understanding



Human Review

Verify before batch processing



100% Local

[Try Web Demo](#)

[Download Desktop](#)

[View Source Code](#)

📄 Built with ❤️ and Google Gemini | Open source on GitHub | Contact: taxai.com | Twitter: [@redaxai](https://twitter.com/redaxai)

