



Introducing:

CASH FLOW AI AGENTS

Technical Documentation

AI-powered collections agents that convert natural language queries into actionable insights, featuring 8 specialized agents for comprehensive debt collection automation.

Developed By: thirdeyedata.ai



Overview

About the Solution

The Cash Flow AI Agents platform is an intelligent agentic automation system designed to transform accounts receivable workflows in enterprise finance environments.

Built on LangGraph orchestration and GPT-4o Mini with RAG technology, the platform goes beyond standard AR tools by predicting payment risk, segmenting accounts by priority, and automatically triggering next-best actions including outreach and escalations.



Business Problem / Challenges

Manual collections processes are slow, reactive, and inefficient in prioritizing high volumes of outstanding invoices, leading to increased DSO and cash flow unpredictability:

Many different types of financial documents stored across multiple systems essential for collections decisions

Working with accounts receivable data is timeconsuming, error prone, and requires extensive manual effort

Collections teams have limitations in querying comprehensive customer behavior and payment patterns

Analysts need to check multiple dashboards and systems to get complete account information



Key Capabilities

Ask complex questions about overdue invoices and payment behavior in plain English

Instant processing with intelligent summarization for quick decision-making

AI drafts professional collection emails improving communication efficiency

8 specialized agents handle routing, analysis, forecasting, and communication

ML models forecast payment behavior and identify high-risk accounts

RAG ensures all responses are grounded in actual data with source attribution



Value Proposition

01

Accuracy: 95%+
accuracy in query
handling and
collections data
analysis

02

DSO Reduction:60%
reduction in Days
Sales Outstanding
through automated
prioritization

03

Time Saved :70%
reduction in
manual effort
across collections
workflow

04

Productivity: 3x
improvement in
analyst
productivity
through intelligent
automation

05

AI Agents : 8
specialized agents
handling routing,
analysis,
forecasting, and
communication

Scan To Try:



Primary Tools & Technologies

01

AI Models

OpenAI GPT-4o Mini with RAG processing for intelligent query responses and contextual analysis.

02

Backend APIs

FastAPI with LangGraph orchestration for multi-agent workflow management and routing

03

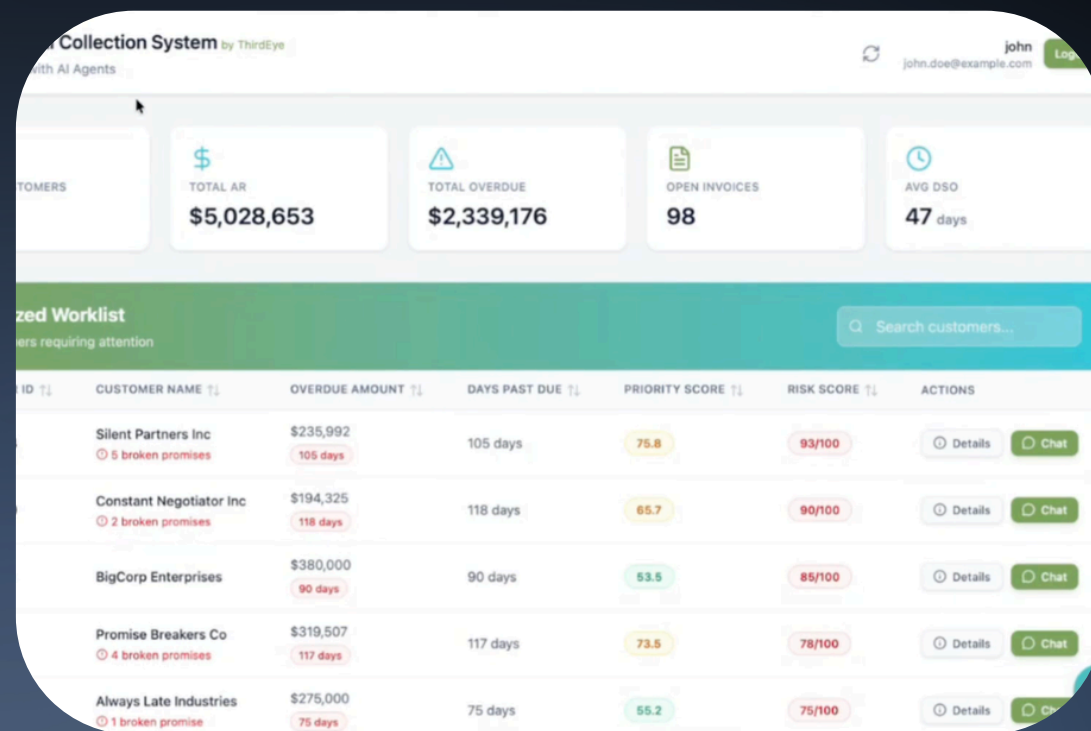
Database

MySQL for financial data storage, SQL execution, and accounts receivable data retrieval.



Solution Glimpses

Dashboard View



Collection System by Thirdeye

john.doe@example.com

TOTAL AR
\$5,028,653

TOTAL OVERDUE
\$2,339,176

OPEN INVOICES
98

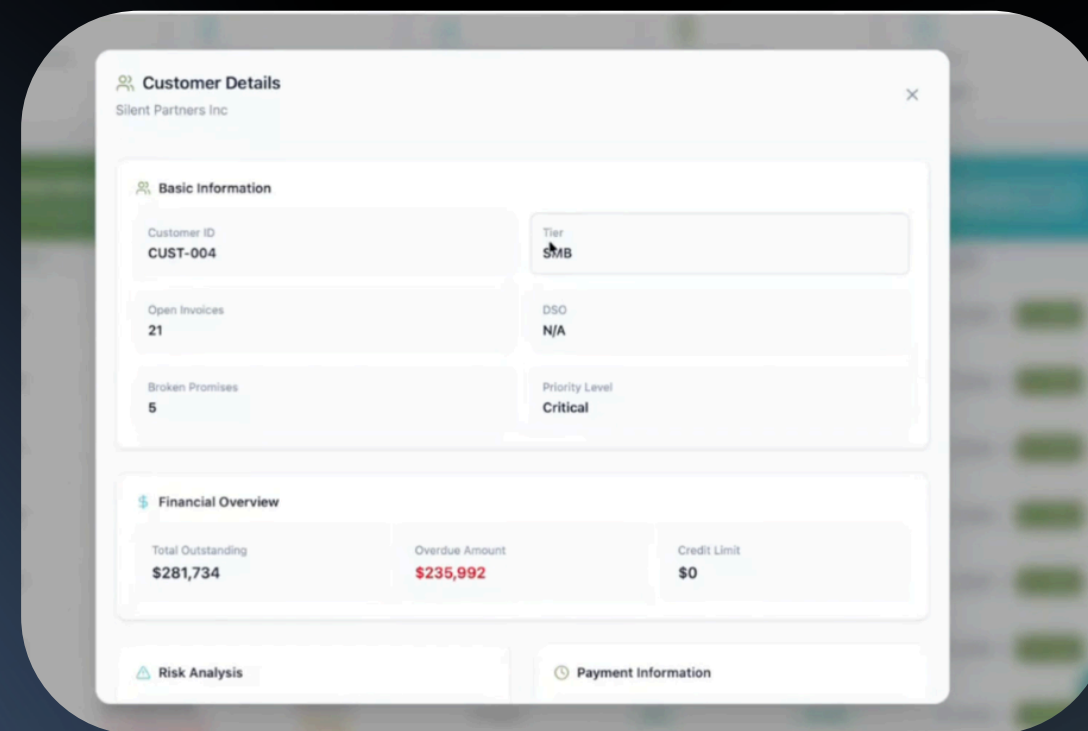
AVG DSO
47 days

Organized Worklist

Customers requiring attention

ID	CUSTOMER NAME	OVERDUE AMOUNT	DAYS PAST DUE	PRIORITY SCORE	RISK SCORE	ACTIONS
	Silent Partners Inc	\$235,992 105 days	105 days	75.8	93/100	Details Chat
	Constant Negotiator Inc	\$194,325 118 days	118 days	65.7	90/100	Details Chat
	BigCorp Enterprises	\$380,000 90 days	90 days	53.5	85/100	Details Chat
	Promise Breakers Co	\$319,507 117 days	117 days	73.5	78/100	Details Chat
	Always Late Industries	\$275,000 75 days	75 days	55.2	75/100	Details Chat

Customer Details



Customer Details
Silent Partners Inc

Basic Information

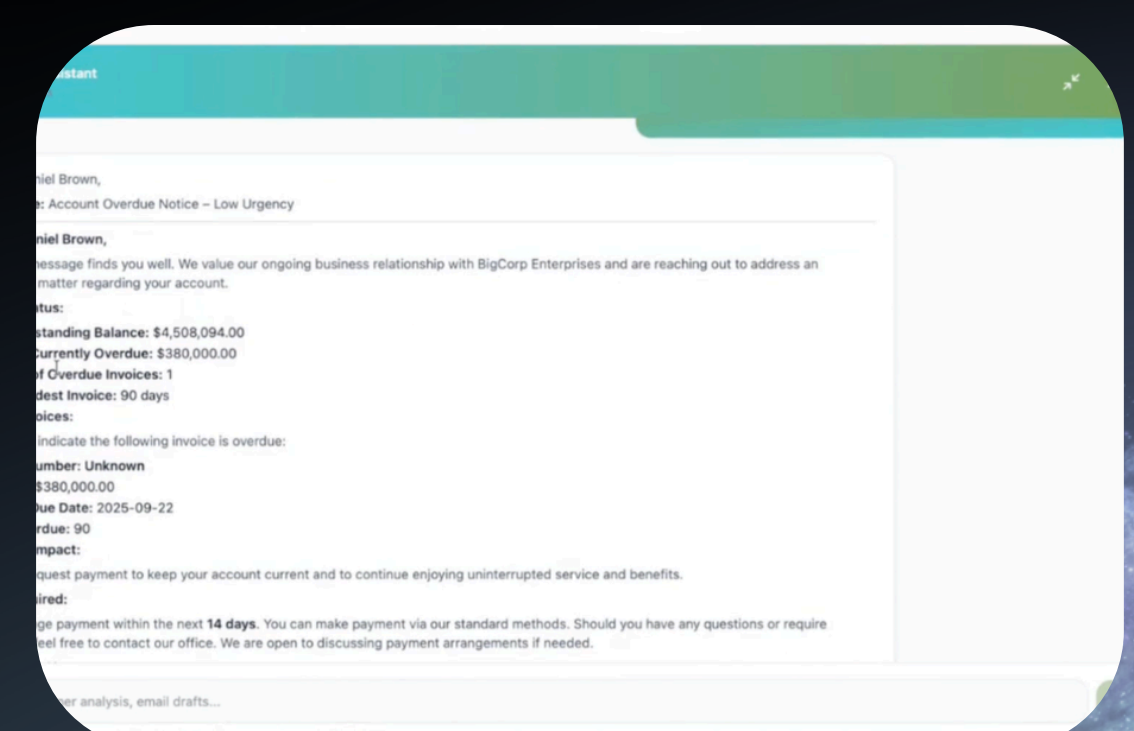
Customer ID CUST-004	Tier SMB
Open Invoices 21	DSO N/A
Broken Promises 5	Priority Level Critical

Financial Overview

Total Outstanding \$281,734	Overdue Amount \$235,992	Credit Limit \$0
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Risk Analysis | Payment Information

AI Collection Assistant



AI Collection Assistant

Hi Daniel Brown,

Account Overdue Notice – Low Urgency

Hi Daniel Brown,

This message finds you well. We value our ongoing business relationship with BigCorp Enterprises and are reaching out to address an overdue matter regarding your account.

Status:
Outstanding Balance: \$4,508,094.00
Currently Overdue: \$380,000.00
Number of Overdue Invoices: 1
Oldest Invoice: 90 days
Overdue Invoices:
Indicate the following invoice is overdue:
Invoice Number: Unknown
Amount: \$380,000.00
Due Date: 2025-09-22
Days Overdue: 90
Impact:
We request payment to keep your account current and to continue enjoying uninterrupted service and benefits.
Action Required:
Please make payment within the next 14 days. You can make payment via our standard methods. Should you have any questions or require assistance, please feel free to contact our office. We are open to discussing payment arrangements if needed.

For further analysis, email drafts...

Watch the full video on [Vimeo.com](https://vimeo.com) or scan here to watch:



Request a Demo

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Custom Demo

[Talk To Our Team](#)