

# Unlock the best of your organization

AI-native, local-first workspace platform for modern business operations

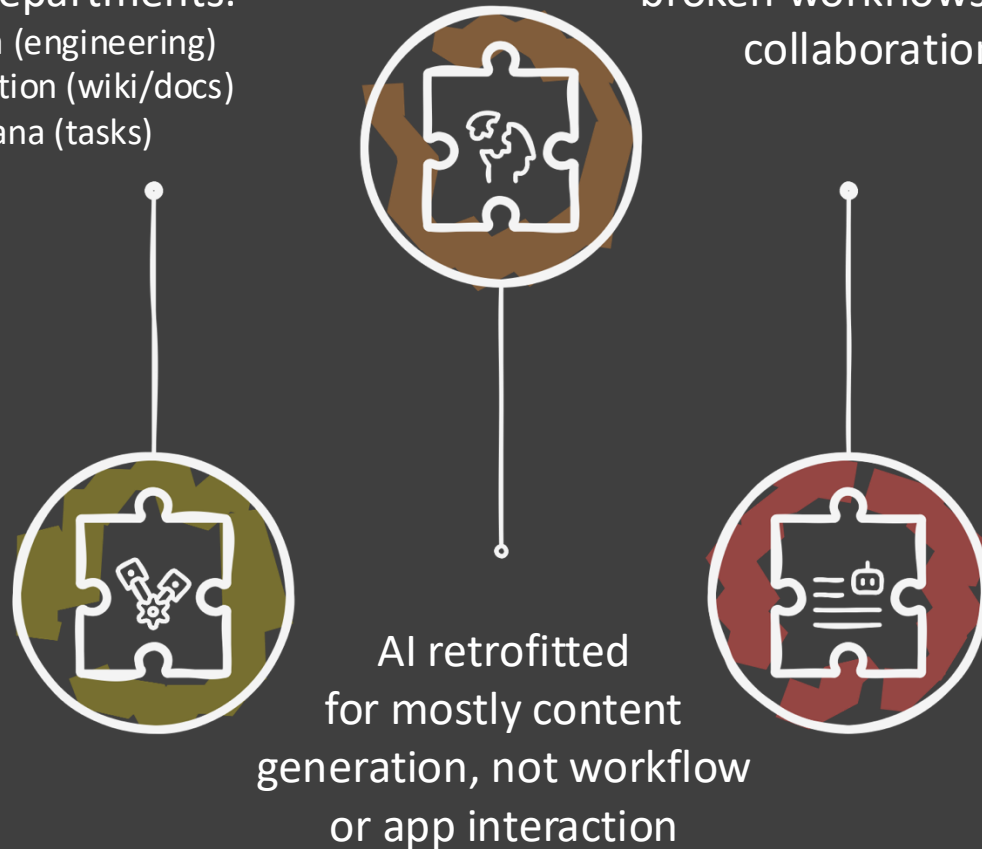


# The Big Problem

Disconnected tools across departments:

- Jira (engineering)
- Notion (wiki/docs)
- Asana (tasks)

Fragmented knowledge, broken workflows, poor collaboration



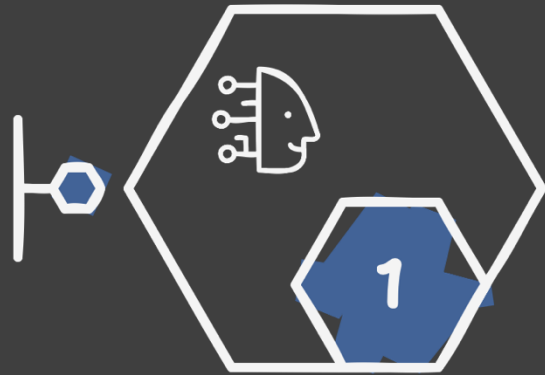
# Real-World Pain



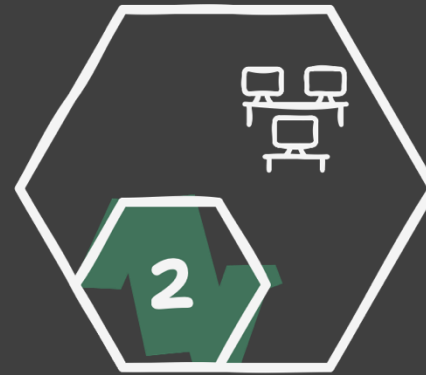
# Solution: NodeSpace.ai

PoC / MVP

AI-native platform  
with natural language  
interface



Unified, modular  
workspace



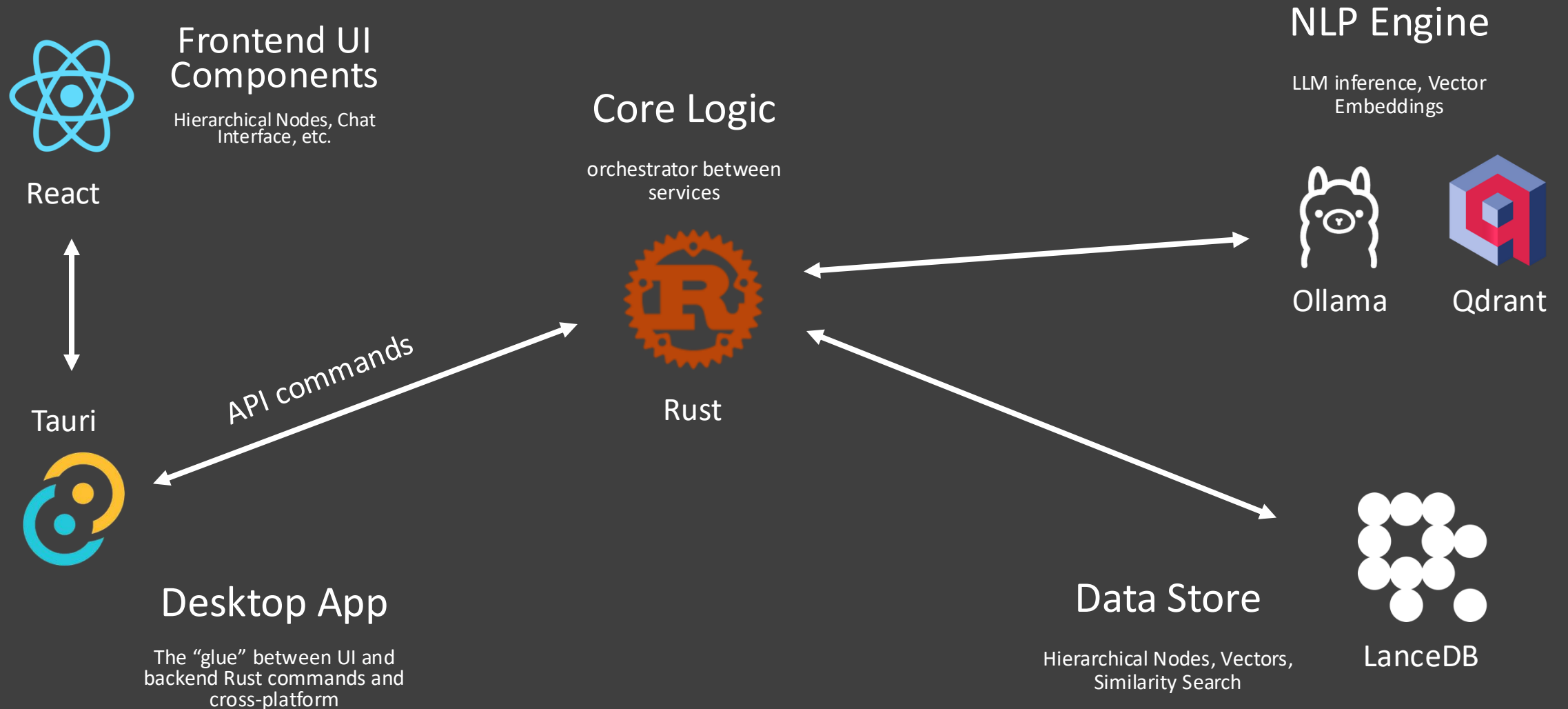
Local-first architecture for  
privacy, performance, and  
offline access



Encrypted  
collaboration by  
default



# Technical Summary



# NLP Engine & Vector Storage

- Easy model switching
- Automatic GPU detection
- Rapid experimentation



Ollama

LLM: gemma3:12b

- Multimodal (text + image)
- Efficient memory usage
- Optimized for single GPU



Qdrant

Text: BAAI/bge-small-en-v1.5

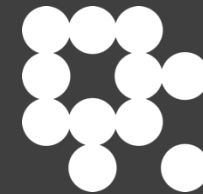
Vision: Qdrant/clip-ViT-B-32-vision

- ~2-5ms per text embedding
- “Visual intelligence” – contextual relationships (visual & text)
- Single search interface



ONNX + FastEmbed

- Apple MPS support & CUDA
- Avoids Compilation Issues



LanceDB

- Sub-10ms vector similarity search
- Purpose-built for vector + metadata use case
- Embedded execution
- Rust-native Tauri Integration



# Data Pipeline

- **Product Launch Campaign Strategy**

- This comprehensive product launch plan provides the strategic framework, tactical execution details, and success measurement criteria necessary for achieving market leadership in the sustainable professional products category.

id	type	content	parent_id	root_id	before_sibling_id	created_at	mentions	metadata	embedding_vector
50fab33e-d0f8-4af	text	# Product Launch Campaign Overview	6/26/25	6/26/25	NULL	2025-07-03T23:50:4	[LIST]	NULL	VECTOR_DATA
9f3693a9-42ea-47	text	This comprehensive campaign document ou	50fab33e-d0f8	6/26/25	NULL	2025-07-03T23:50:4	[LIST]	NULL	VECTOR_DATA
a1b2c3d4-5e6f-78	text	## Launch Overview	50fab33e-d0f8	6/26/25	9f3693a9-42ea-478	2025-07-03T23:50:5	[LIST]	NULL	VECTOR_DATA
b2c3d4e5-f607-89	text	**Product**: EcoSmart Home Automation S	a1b2c3d4-5e6f	6/26/25	NULL	2025-07-03T23:50:5	[LIST]	NULL	VECTOR_DATA
c3d4e5f6-0718-90	text	**Launch Date**: September 15, 2025	a1b2c3d4-5e6f	6/26/25	b2c3d4e5-f607-890	2025-07-03T23:50:5	[LIST]	NULL	VECTOR_DATA
d4e5f607-1829-01	text	**Campaign Duration**: 12 weeks (Septem	a1b2c3d4-5e6f	6/26/25	c3d4e5f6-0718-901	2025-07-03T23:50:5	[LIST]	NULL	VECTOR_DATA
e5f60718-293a-12	text	**Total Budget**: \$275,000	a1b2c3d4-5e6f	6/26/25	d4e5f607-1829-012	2025-07-03T23:50:5	[LIST]	NULL	VECTOR_DATA
f607182a-3b4c-23	text	**Primary Objective**: Achieve 25% marke	a1b2c3d4-5e6f	6/26/25	e5f60718-293a-123	2025-07-03T23:50:5	[LIST]	NULL	VECTOR_DATA
0718293b-4c5d-34	text	## Executive Summary	50fab33e-d0f8	6/26/25	a1b2c3d4-5e6f-789	2025-07-03T23:50:5	[LIST]	NULL	VECTOR_DATA
18293b4c-5d6e-45	text	The EcoSmart launch represents a pivotal m	0718293b-4c5d	6/26/25	NULL	2025-07-03T23:50:5	[LIST]	NULL	VECTOR_DATA
293b4c5d-6e7f-56	text	## Target Audience	50fab33e-d0f8	6/26/25	0718293b-4c5d-345	2025-07-03T23:50:5	[LIST]	NULL	VECTOR_DATA
3b4c5d6e-7f80-67	text	**Primary Demographics**:	293b4c5d-6e7	6/26/25	NULL	2025-07-03T23:50:5	[LIST]	NULL	VECTOR_DATA
4c5d6e7f-8091-78	text	- Age: 28-45 years	3b4c5d6e-7f8	6/26/25	NULL	2025-07-03T23:50:5	[LIST]	NULL	VECTOR_DATA
5d6e7f80-91a2-89	text	- Income: \$75,000-\$150,000 annually	3b4c5d6e-7f8	6/26/25	4c5d6e7f-8091-789	2025-07-03T23:50:5	[LIST]	NULL	VECTOR_DATA
6e7f8091-a2b3-9a	text	- Education: College degree or higher	3b4c5d6e-7f8	6/26/25	5d6e7f80-91a2-89a	2025-07-03T23:50:5	[LIST]	NULL	VECTOR_DATA
7f8091a2-b3c4-ab	text	- Location: Urban and suburban areas	3b4c5d6e-7f8	6/26/25	6e7f8091-a2b3-9ab	2025-07-03T23:50:5	[LIST]	NULL	VECTOR_DATA
8091a2b3-c4d5-bc	text	## Marketing Budget Breakdown	50fab33e-d0f8	6/26/25	293b4c5d-6e7f-567	2025-07-03T23:50:5	[LIST]	NULL	VECTOR_DATA
91a2b3c4-d5e6-cd	text	**Digital Advertising**: \$65,000	8091a2b3-c4d	6/26/25	NULL	2025-07-03T23:50:5	[LIST]	NULL	VECTOR_DATA
a2b3c4d5-e6f7-de	text	- Social Media Advertising: \$25,000	91a2b3c4-d5e	6/26/25	NULL	2025-07-03T23:50:5	[LIST]	NULL	VECTOR_DATA
b3c4d5e6-f708-ef	text	- Search Engine Marketing: \$30,000	91a2b3c4-d5e	6/26/25	a2b3c4d5-e6f7-def	2025-07-03T23:50:5	[LIST]	NULL	VECTOR_DATA
c4d5e6f7-0819-01	text	- Display and Retargeting: \$10,000	91a2b3c4-d5e	6/26/25	b3c4d5e6-f708-ef0	2025-07-03T23:50:5	[LIST]	NULL	VECTOR_DATA
d5e6f708-192a-01	text	**Video Production**: \$45,000	8091a2b3-c4d	6/26/25	91a2b3c4-d5e6-cde	2025-07-03T23:50:5	[LIST]	NULL	VECTOR_DATA
e6f70819-2a3b-12	text	**Influencer & Partnership Marketing**: \$35	8091a2b3-c4d	6/26/25	d5e6f708-192a-012	2025-07-03T23:50:5	[LIST]	NULL	VECTOR_DATA
f708192a-3b4c-23	text	**Public Relations & Events**: \$25,000	8091a2b3-c4d	6/26/25	e6f70819-2a3b-123	2025-07-03T23:50:5	[LIST]	NULL	VECTOR_DATA
708192a3-b4c5-34	text	**Marketing Technology & Tools**: \$10,000	8091a2b3-c4d	6/26/25	f708192a-3b4c-234	2025-07-03T23:50:5	[LIST]	NULL	VECTOR_DATA
08192a3b-4c5d-45	text	## Campaign Management	50fab33e-d0f8	6/26/25	8091a2b3-c4d5-bcd	2025-07-03T23:50:5	[LIST]	NULL	VECTOR_DATA
8192a3b4-c5d6-56	text	**Campaign Management**: 40% of marke	08192a3b-4c5	6/26/25	NULL	2025-07-03T23:50:5	[LIST]	NULL	VECTOR_DATA
192a3b4c-5d6e-67	text	**Performance Marketing**: Full-time focus	08192a3b-4c5	6/26/25	8192a3b4-c5d6-567	2025-07-03T23:50:5	[LIST]	NULL	VECTOR_DATA
92a3b4c5-d6e7-78	text	## Key Performance Indicators	50fab33e-d0f8	6/26/25	08192a3b-4c5d-456	2025-07-03T23:50:5	[LIST]	NULL	VECTOR_DATA



# Smart Context Engine

- **Product Launch Campaign Strategy**
  - This comprehensive product launch plan provides the strategic framework, tactical execution details, and success measurement criteria necessary for achieving market leadership in the sustainable professional products category.
- **Launch Overview**
  - **Product:** EcoSmart Professional Series
  - **Launch Date:** July 15, 2025
  - **Campaign Duration:** 12 weeks (4 weeks pre-launch, 4 weeks launch, 4 weeks post-launch)
  - **Total Budget:** \$180,000
  - **Primary Objective:** Establish market leadership in sustainable professional products
- **Executive Summary**
  - The EcoSmart Professional Series represents our most significant product innovation in three years, combining professional-grade performance with industry-leading sustainability features. This launch campaign will position us as the premium choice for environmentally conscious professionals while maintaining our quality and performance reputation.
- **Target Audience Analysis**
  - **Primary Target Segment**
    - **Professional Demographics:**
      - Age: 28-45 years
      - Income: 75,000-150,000 annually
      - Education: College degree or higher (87%)
      - Location: Urban and suburban professionals in major metropolitan areas
      - Industry Focus: Design, consulting, technology, finance, healthcare
    - **Psychographic Profile:**

## Meaningful Semantic Embeddings

- Individual Nodes: not enough
- Siblings: helps
- Parent(s): a little better
- Root Node: bigger picture!

## Challenges:

- What happens when the related node has changes?
- Architected to allow for seamless monitoring of changes in any of the related nodes (above)
- Invalidates the embeddings (to be stale)
- Running process that refreshes embeddings



# Prompt Engineering

## Phase 1 (Too Brief)

Context: {truncated\_context}

Question: {query}

Answer:

## Phase 2 (Too Verbose)

Based on the following context, please provide a detailed and comprehensive answer:

Context: {truncated\_context}

Question: {query}

Please provide a thorough response that:

- Directly answers the question using the context
- Explains the reasoning behind the answer
- Includes relevant details and implications
- Uses a helpful and professional tone

Answer:

## Phase 3 (Too Dry)

Based on the following context, answer the question clearly and concisely:

Context: {truncated\_context}

Question: {query}

Provide a direct answer with brief supporting details. Be helpful but concise.

Answer:

## Phase 4 (Good enough!)

Using the context below, provide a helpful answer that's both informative and conversational:

Context: {truncated\_context}

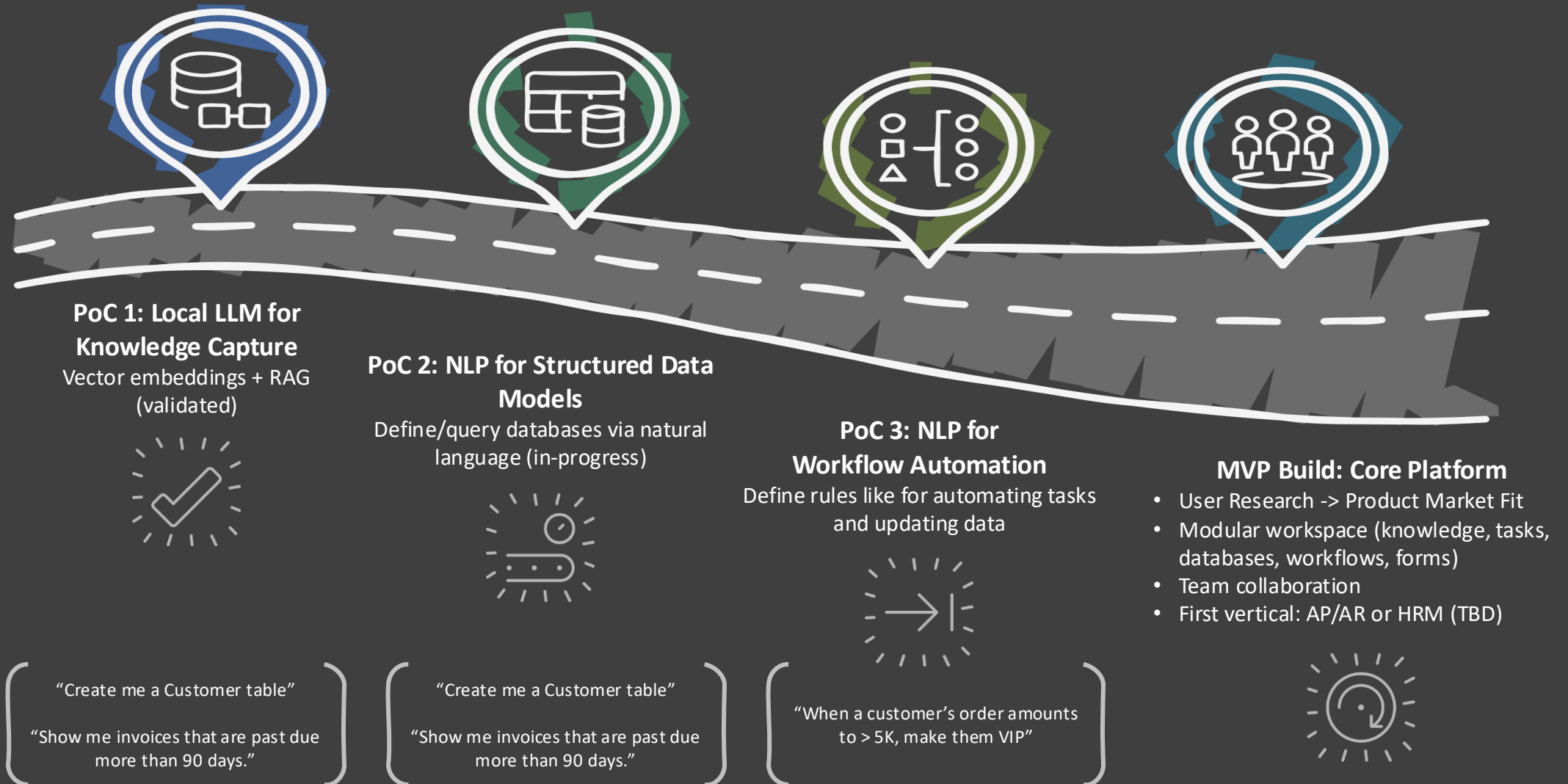
Question: {query}

Answer directly but include relevant context that helps explain the 'why' behind the information. Keep it engaging and professional.

Answer:

# Demo

# Where Are We Now and Where Are We Going?



# The Team & Ask



## **Michael A. Libio** Founder | CPTO

- Over 15 years of product & engineering experience
- Ex-McKinsey Product Leader (New Ventures Technology group)
- Knowledge Management expert
- Experience from startups and corporate environment

## **Potential** Founding Engineers

- Domain expertise (i.e. Finance, HR, Sales & Marketing)
- Previous startup experience

## **Looking for:**

- Early pilot customers (in HR, Finance, Creative Agencies, etc.)
- Pre-seed capital (for MVP development)