

A cartoon illustration of a banana character with a face, wearing a white lab coat and round glasses. The banana is holding a blue and yellow handheld vacuum cleaner and is cleaning a large, swirling blue and white pattern that resembles a complex circuit board or a whirlpool. Small green arrows point clockwise around the swirl. The background is filled with faint, repeating circuit board patterns.

CLAUDE CODE DEEP RESEARCH PATTERNS

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Date: November 2, 2025



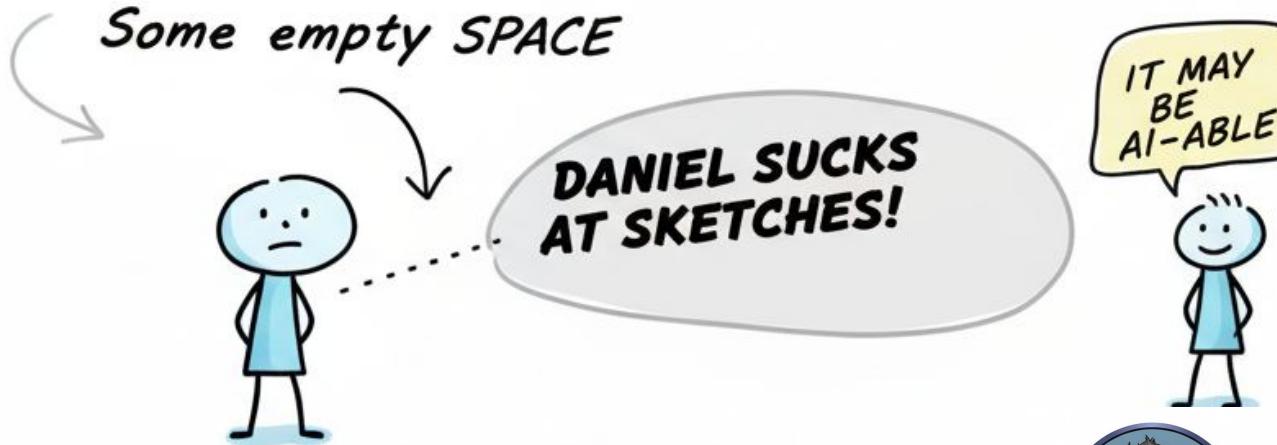
By: Daniel Rosehill

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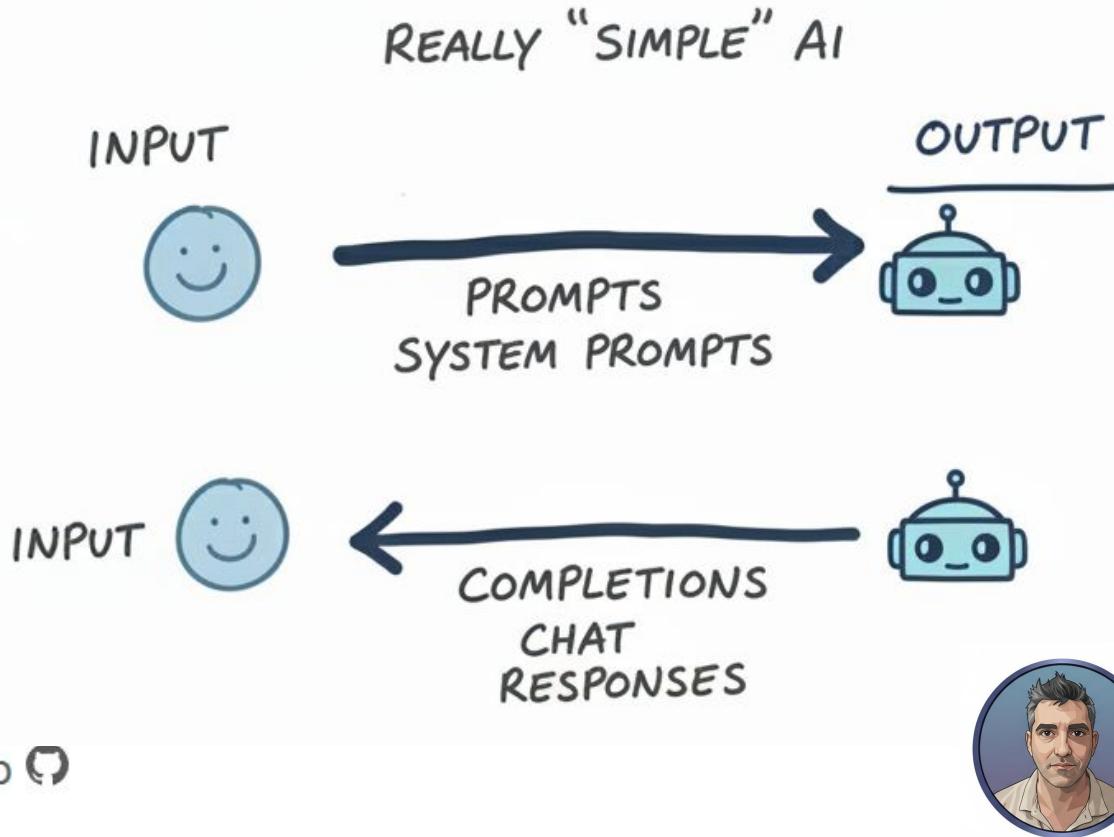
MY DEEP RESEARCH PATTERN

Nov 1, 2025 BY: Daniel Rosehill

To demo: Nano Banana note cleanup + Flowchart
a test CAPABILITIES.



Agentic AI : IMAGINE IT AS AN INGREDIENT LIST.



View on GitHub



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PITFALLS OF SIMPLE AI

NO
MEMORY



LLM has no memory before each convo

NO
CONTEXT

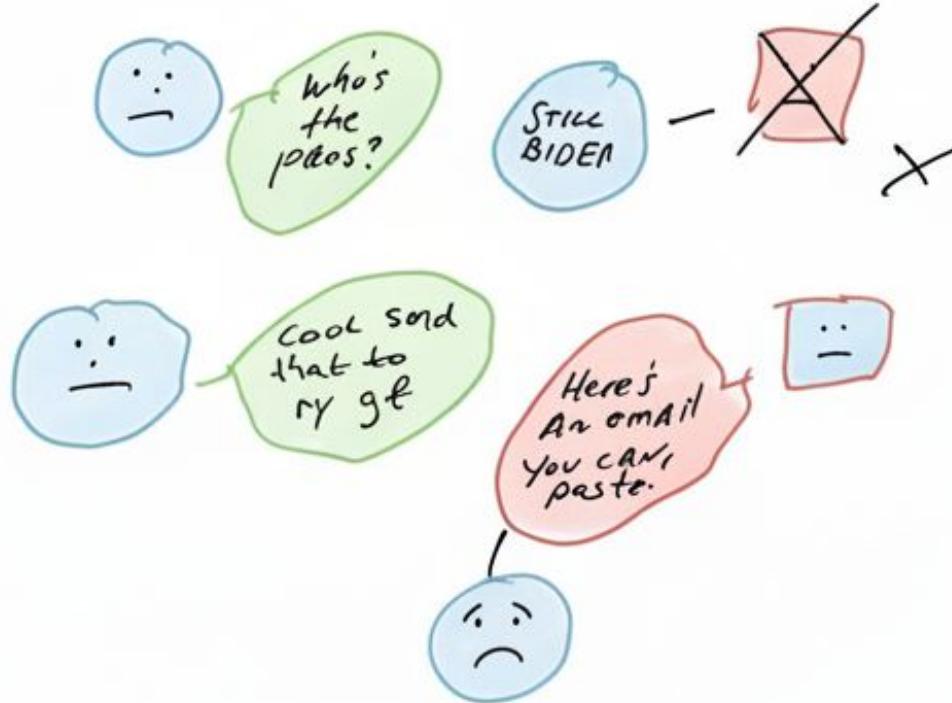


LLM is context naive



OTHER ANNOYANCES . . .

No knowledge
past training



No Tool use/
MCP



NO
OUTPUT
STORAGE
MECHANISM



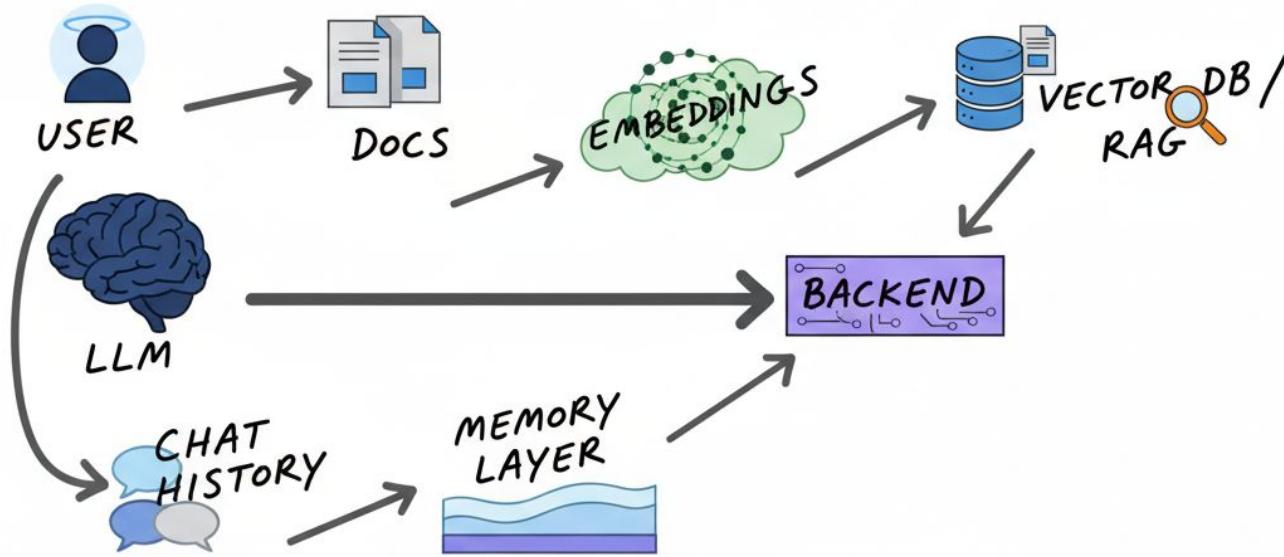
That was epic!
Can you save it
as a Gdoc?



NO
CAN
DO



Why “Conventional” Solutions Are Viable But...



much complication



The Repository AS An IDEAL MINIATURISED & self contained AI WORKSPACE

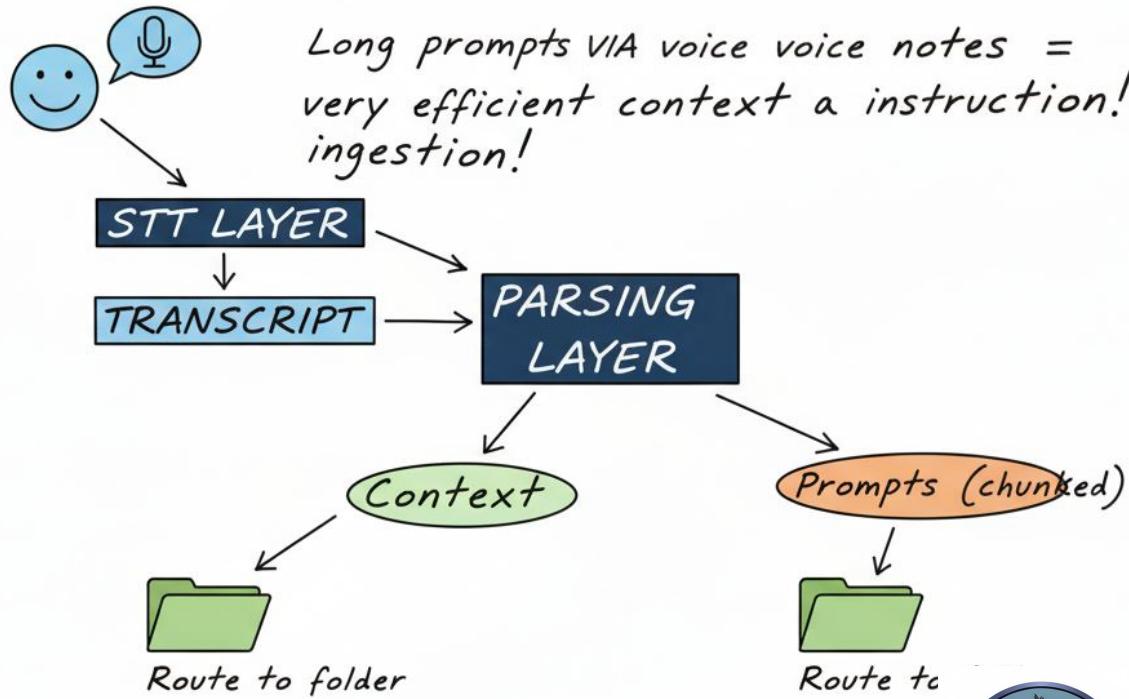
1. PROMPTS → PROMPT HISTORY,
HAS context?
2. CONTEXT → RAG surrogate or
Repo RAG implementation
3. MEMORY → JSON
4. OUTPUTS → Storage! Button of
out put pipeline!
promts can se
pipelined too
5. System PROMPT
(C claudend et al)

5 Core modules implemated just AS
files & folders : A in tooling, ~~and~~ selective
contex

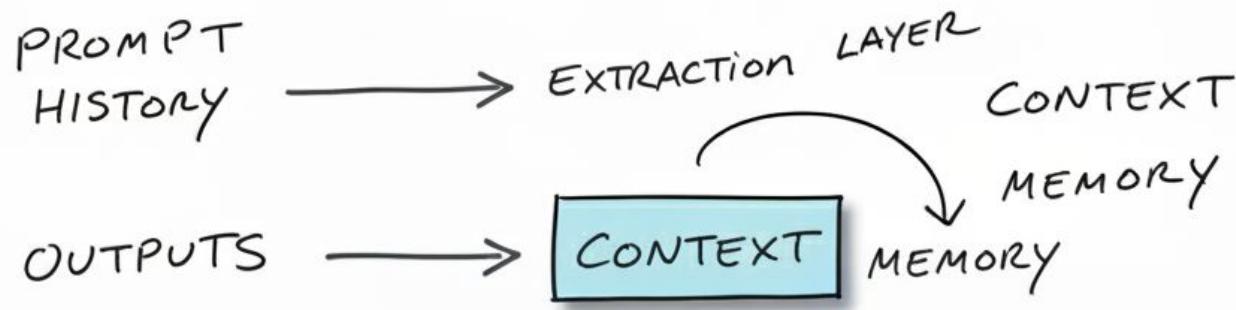


INPUT PIPELINE

voice workflow



Slash commands for creating powerful mechanisms for using info effectively



C Context Grounding mechanism to avoid unhelpful generations.

View on GitHub



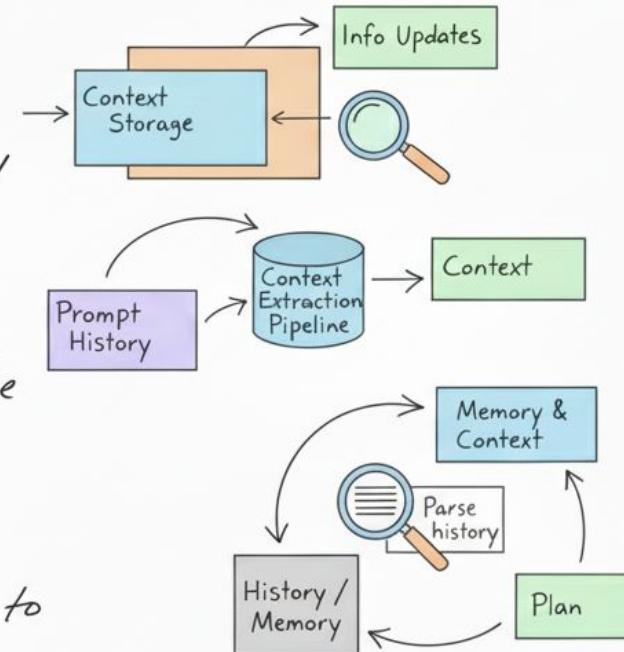
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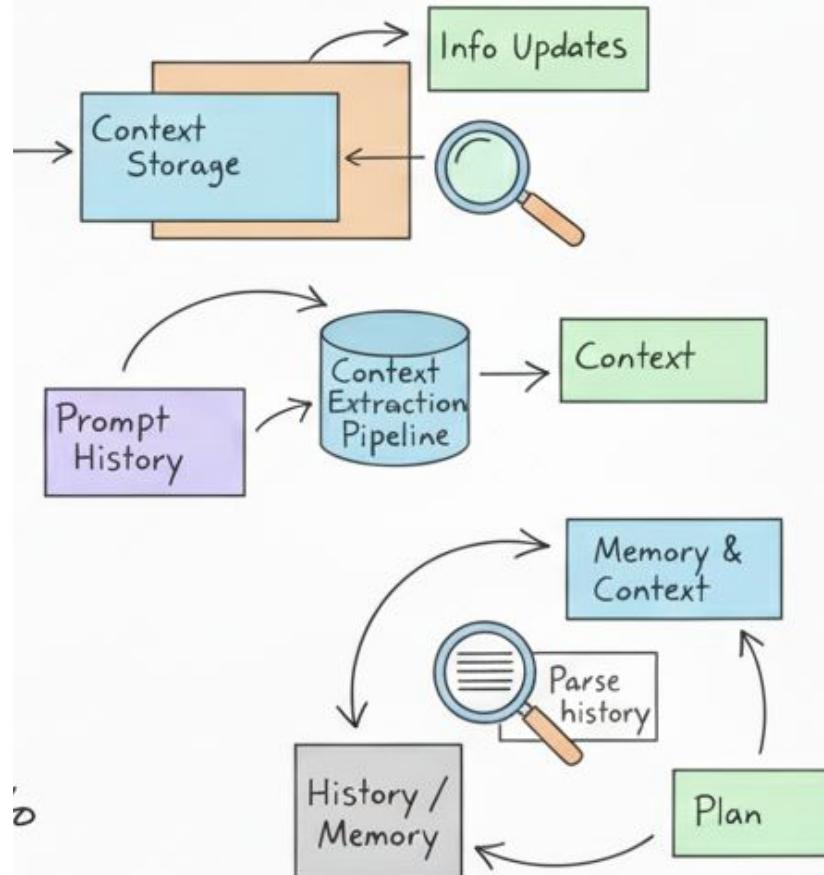
Project level agents for optimising
system operation for long term
research projects

/prune-context: Review context stored
info updates

/prompt-to-context: Run prompt history to
context extraction pipeline

/analyse-next: Parse history / mem to
analyse evolution & feed to
to memory & context / plan





View on GitHub



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