



Christchurch


ARTIFICIAL INTELLIGENCE

MEETUP GROUP

<https://christchurch-ai.com>

WiFi-4You

Join "EPIC"



EPIC Guest WiFi

Welcome to EPIC Guest WiFi Hotspot

I accept the Terms of Service

Continue

Powered by UniFi

< | > 10.6.0.254 Cancel



FIRST MONDAY MEETUPS



TWICE MONTHLY ~~FIRST MONDAY~~ MEETUPS



FIRST MONDAY & THIRD THURSDAY IN 2026

- ✦ **First Monday** - General AI Topics
- ✦ **Third Thursday** - Technical AI Topics



STARTING IN JUNE

- ◆ ***Second***
- ◆ ~~◆ **First Monday**~~ - General AI Topics
- ◆ ~~◆ **Third Thursday**~~ - Technical AI Topics
- ◆ ***Fourth***



WEDNESDAY 25TH MARCH

MULTIMODAL
INPUTS



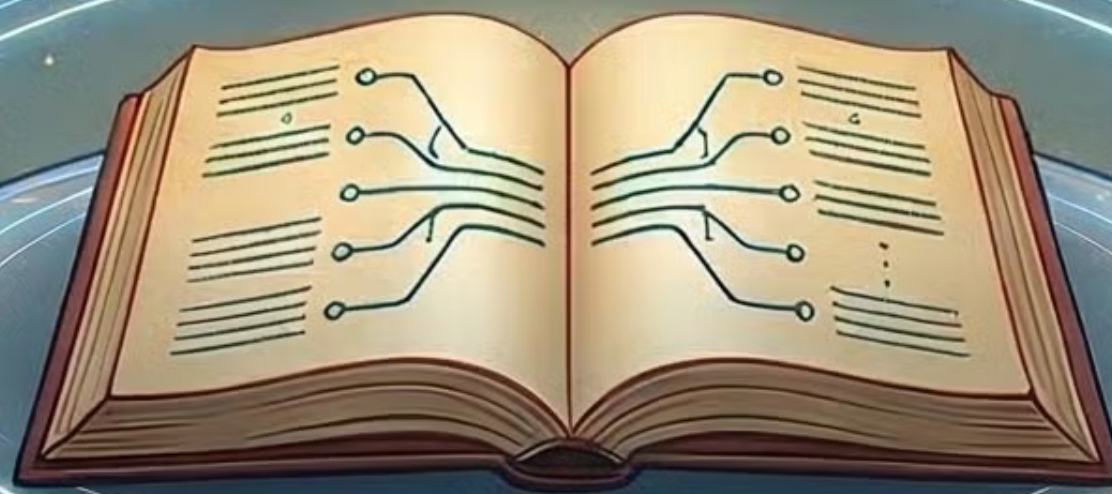
MULTIMODAL
WORKFLOWS



EPIC Innovation

MULTIMODAL PROMPTING

INTEGRATED
INPUTS



MULTIMODAL
OUTPUTS



MULTIMODAL
REASONING



Talks • Demos • Networking & Q&A



**-Coaching
Academy**

Caelan Huntress

- AI Educator & Public Speaker
- American/New Zealand dual citizen
- From Portland, Oregon

WHAT I DO

- Train ambitious professionals to improve their Strategy, Creativity, and Productivity
- Interactive training workshops
- Copy-paste prompts
- Step-by-step tutorials



AI TRAINING CURRICULUM

6 x 90-Minute Workshops
Over 2 weeks

Foundation Series

101

AI & The
Future of Work

102

Applied AI
Ideation Lab

103

Prompting
Techniques

****The Foundation Series is prerequisite to the Electives****



Each interactive workshop is 90 minutes long

Delivered at your venue, or over Zoom

Electives

- 201 – AI FOR PRODUCTIVITY
- 202 – AI FOR KNOWLEDGBASES
- 203 – AI FOR COMMUNICATION
- 204 – AI FOR SALES
- 205 – AI FOR MARKETING
- 206 – AI FOR CREATIVITY
- 207 – AI FOR LEARNING
- 208 – AI FOR STRATEGY
- 209 – AI FOR MULTIMEDIA
- 210 – AI FOR AUTOMATION
- 211 – AI FOR THINKING
- 212 – AI FOR GOVERNANCE





Christchurch AI Meetup
April 2026

AGENDA:

- ✦ **Drinks & Networking**
- ✦ **Web App Development with Manus**
- Greg Dickson
- ✦ **Vibe Coding with Claude**
- Caelan Huntress
- ✦ **Open Q&A**



WEB APP DEVELOPMENT WITH MANUS



- Greg Dickson

CHRISTCHURCH AI MEETUP

FROM SOP TO WEB APP

(No Developers Required)

Greg Dickson

Learn how to transform Standard Operating Procedures into fully functional internal web applications.

WHO AM I?

And why am I up here talking about building apps?



**20+ YEARS IN
MARKETING**



SERIAL FOUNDER



AI SEARCH STRATEGIST



FRUSTRATED DEVELOPER



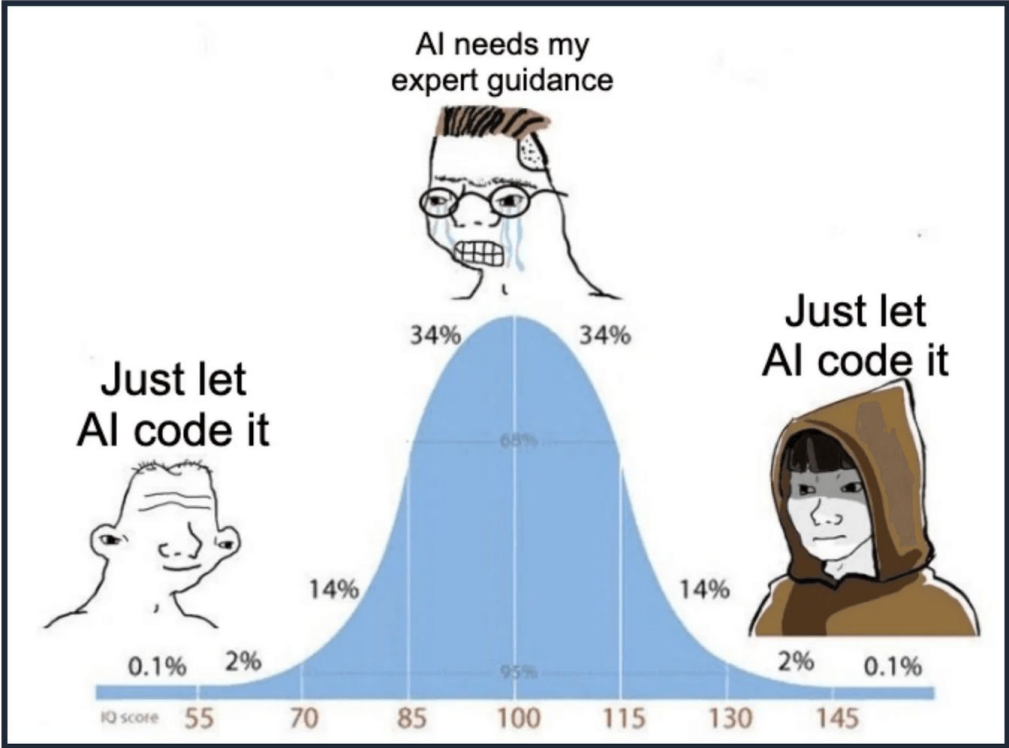
QUICK QUESTION...

Who in the room is a developer?

I need to apologize in advance. What you are about to see is not "best practice."

But... IT GETS SHIT DONE.

THE VIBE CODING BELL CURVE



THE MANUAL GRIND

Processes are great, but do we actually follow them? **Maybe once.**



THEY'RE STATIC

Written once, saved as a PDF
in a shared drive, and
immediately forgotten.



THEY'RE BORING

Nobody wants to read a
10-page manual checklist just
to do their daily job.



NEED AUTOMATION

If it's a repeatable, manual
task... a computer should
probably be doing it.

THE VIBE CODING PARADIGM

The old way vs. the new way of building internal tools.



THE OLD WAY

- × Costs **\$50k+** to build
- × Takes **6 months** to launch
- × Requires a team of **developers**
- × Often **outdated** by the time it's finished



THE NEW WAY

- ✓ Built in a **single afternoon**
- ✓ Costs a fraction of traditional dev
- ✓ Built by **operations managers**
- ✓ Fast iteration via "**vibe coding**"

WHERE DO THESE TOOLS FIT?

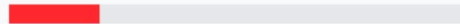
Mapping out the AI app-building landscape.



CLI & IDES

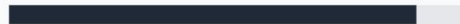
Cursor, Claude Code

EASE OF USE



Requires developer knowledge (Git, local environments).

PRODUCTION READINESS



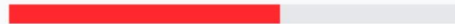
Great for high-scale production apps.



CODE GENERATORS

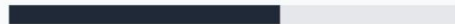
Lovable, Bolt

EASE OF USE



Builds frontend easily, but requires manual backend setup.

PRODUCTION READINESS



Good for prototypes and medium-scale apps.



CONVERSATIONAL

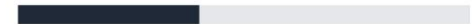
Manus

EASE OF USE



Zero technical knowledge. Handles DB, auth, and hosting.

PRODUCTION READINESS



Perfect for MVPs and internal business tools.

THE MANUS SWEET SPOT

A transparent reality check on what you should (and shouldn't) build.

✗ NOT FOR




- Building the next Facebook or consumer social network.
- Highly secure banking apps for millions of users.
- High-scale, production-ready external applications.

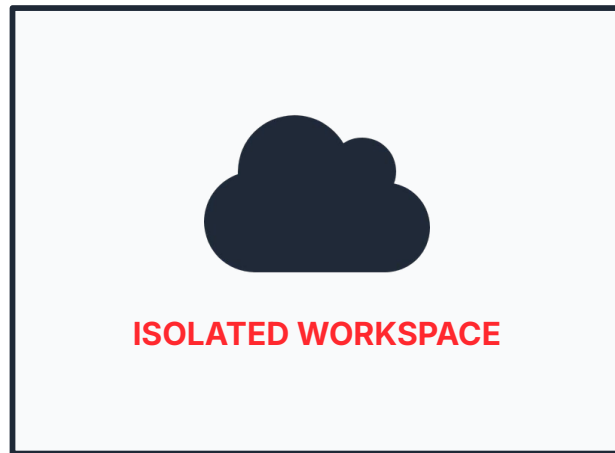
✓ IDEAL FOR

- The absolute fastest way to get an **internal MVP** up and running.
- Automating manual processes and replacing fragile spreadsheets.
- Building tools without dealing with **Git, databases, auth, or scaffolding**.

THE SANDBOXED CLOUD COMPUTER

Why Manus is so easy to use for non-developers.

-  It's an autonomous agent running inside a **secure, isolated cloud environment**.
-  It comes with its own **terminal, hard drive, and web browser**.
-  You don't need to install **anything** on your local machine to build an app.



THE THREE LAYERS OF MANUS

Clarifying the browser confusion.

WHAT WE USE TODAY



1. THE SANDBOX

THE WORKSHOP

A hidden browser inside the cloud computer. Manus uses this to test your app. **This is all we need for app building.**



2. BROWSER OPERATOR

THE OFFICE KEY

A Chrome extension that lets Manus control your local browser tabs using your existing logins.



3. MY COMPUTER

THE HOUSE KEY

A Desktop app that lets Manus access your local hard drive and terminal.

THE DATA COLLECTION SUPERPOWER

WHY MANUS WINS AT WEB SCRAPING

OTHER CODING AGENTS

- ✗ Require manual **Playwright/Puppeteer** setup
- ✗ "Web fetch" tools fail on **JS-heavy sites** (React/Vue)
- ✗ Constantly blocked by **Cloudflare & CAPTCHAs**
- ✗ Lose **login state & cookies** between sessions

THE MANUS WAY

- ✓ **Pre-installed Chromium** browser in every sandbox
- ✓ **Zero setup required** to render dynamic content
- ✓ Maintains **stateful sessions** (logins & cookies)
- ✓ **Browser Operator** extension bypasses bot detection

THE SPEC-DRIVEN WORKFLOW

How to actually build the app without writing code.



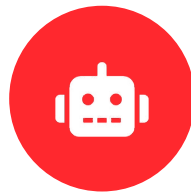
THE SOP

Your messy, unstructured manual process.



CLAUDE (PM)

Acts as your Product Manager to write the spec.



MANUS (DEV)

Acts as your Engineering Team to execute the build.



WEB APP

A functional, hosted internal tool.

STEP 1: THE BRAIN DUMP

PHASE 1: THE PRODUCT MANAGER (CLAUDE)

THE GOAL

Build context and ensure the AI understands the process **before** rushing into solutions.

THE ACTION

Paste your messy SOP, spreadsheet data, or unstructured notes directly into Claude.

>_ THE PROMPT




"I want to turn this process into an internal web app. For now, just read this and summarize the core workflow back to me so I know you understand it. **Do not write any code or propose features yet.**"

STEP 2: THE PRODUCT MANAGER

Ideating the MVP features with Claude.

THE PROMPT

*"Act as a Product Manager. Based on the SOP I just provided, propose a feature list for an **MVP web app**. Focus specifically on defining the **User Roles**, the **Inputs** required, and the desired **Outputs**."*

-  Tell Claude to act as a Product Manager to shift its focus from summarizing to building.
-  Ask it to propose a feature list for an MVP web app based on the SOP.
-  Focus specifically on User Roles, Inputs, and Outputs to define the core functionality.

STEP 3: THE SPEC SHEET

Phase 2: The Developer (Claude)

>_ THE MASTER PROMPT

"Write a comprehensive **Product Requirements Document (PRD)** that I can paste into an AI app builder. It must explicitly define the **database tables**, the user roles, and the error states (the unhappy path)."

THE GOAL

Get Claude to write a structured **Product Requirements Document (PRD)** instead of a vague feature list.

THE ACTION

Ask Claude to write the final "**Master Prompt**" that you will hand over to Manus to execute.

STEP 4: THE EXECUTION

PHASE 2: THE DEVELOPER (MANUS)

THE GOAL

Hand over the structured spec to Manus to **build the app**.

THE ACTION

Paste the completed PRD from Claude directly into Manus.

>_ THE PROMPT

"I want to build a web app based on this PRD. **Take ownership of this project.** Present a development plan for my review before you start coding."

CHECKPOINT 1: THE PLAN REVIEW

THE SINGLE MOST IMPORTANT MOMENT IN THE BUILD PROCESS.



READ BEFORE YOU BUILD



Manus presents a detailed **development plan** before writing any code.



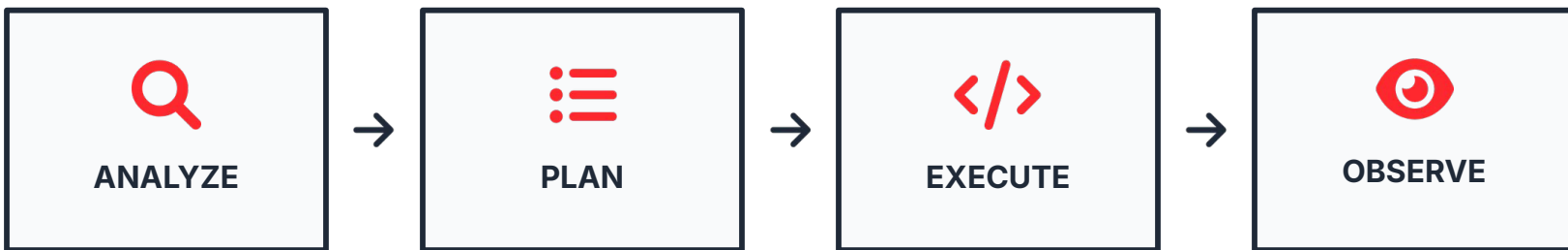
READ THIS PLAN. Do not just click "go" blindly.



If the **database structure** is wrong here, the final app will be wrong. Correct it before it builds.

CHECKPOINT 2: THE AGENT LOOP

How Manus self-corrects during the build.



Manus reads its own terminal errors and fixes them, just like a human developer. **Be patient; this takes a few minutes.**

CONVERSATIONAL ITERATION

CHECKPOINT 3: THE LIVE PREVIEW

- ▶ Once the first build is done, you get a **live, functional app**.
- ✘ You **do not** need to write a new master prompt to make changes.
- 🗨️ Just talk to it. It understands the context and edits the live app directly.

"Make the submit button blue."

"Add a dropdown for Department."



LIVE APP UPDATES INSTANTLY

1. THE SOURCE MATERIAL

The "SOP" - A Hootsuite article on the YouTube Algorithm

The image shows a screenshot of a Hootsuite article page. At the top, there is a navigation bar with the Hootsuite logo, a search bar, and links for 'Log In' and 'Start your free trial'. Below the navigation bar, there are menu items for 'Blog', 'Topics', 'Networks', 'Resources', 'Industries', and 'About Hootsuite', along with a language selector for 'English'. The main content area features the article title 'How the YouTube algorithm works in 2025' under the category 'Strategy'. A sub-headline reads: 'Looking to increase your YouTube video views? Step one: find out what's new with the YouTube algorithm and how it ranks your content.' The author is 'Hannah Macready, Liz Stanton', dated 'February 14, 2025', and it is a '16 min read'. There are language flags for Spanish, French, and German. To the right of the text is a video thumbnail showing a woman in an orange jacket pointing at the camera. Below the main text, there is a 'Table of Contents' section with links to various parts of the article. On the right side, there is a call-to-action box titled 'Grow your YouTube channel faster with Hootsuite'.

Hootsuite

Search...

Log In Start your free trial

Blog Topics Networks Resources Industries About Hootsuite English

Strategy

How the YouTube algorithm works in 2025

Looking to increase your YouTube video views? Step one: find out what's new with the YouTube algorithm and how it ranks your content.

Hannah Macready, Liz Stanton

February 14, 2025

16 min read

Also available in

Table of Contents

- [How the YouTube algorithm works in 2025](#)
- [How the YouTube algorithm ranks videos](#)
- [Where YouTube recommends videos](#)
- [What is the YouTube Shorts algorithm?](#)
- [16 tips to improve your organic reach on YouTube](#)

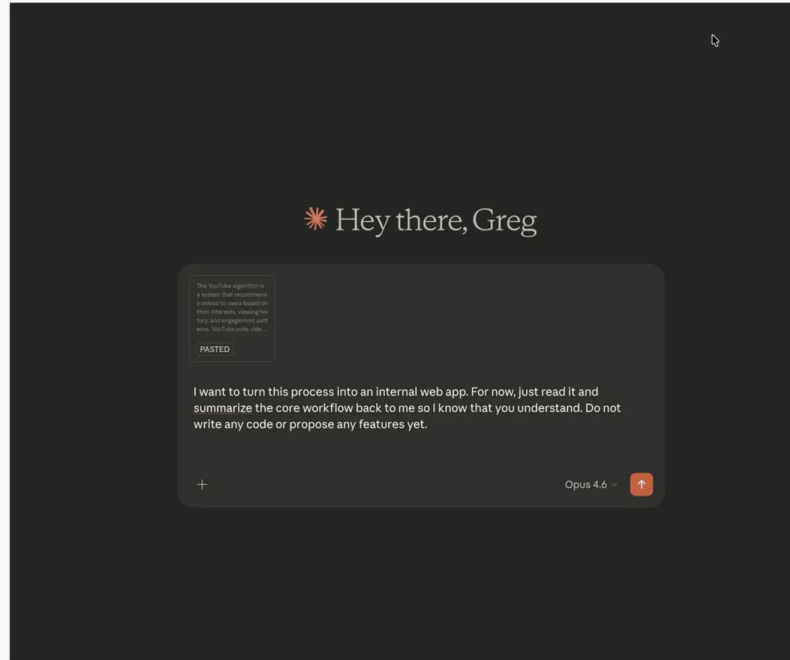
The YouTube algorithm is a system that recommends videos to users based on their interests, viewing history, and engagement patterns.

YouTube pulls videos that each viewer is most likely to watch and enjoy, using factors like watch time, click-through rate (CTR), satisfaction surveys, and viewing habits across different devices and times of day. The algorithm's goal is to show users the most relevant and valuable content in order to keep them

Grow your YouTube channel faster with Hootsuite. Easily moderate comments, schedule video, and publish to Facebook, Instagram, and X/Twitter.

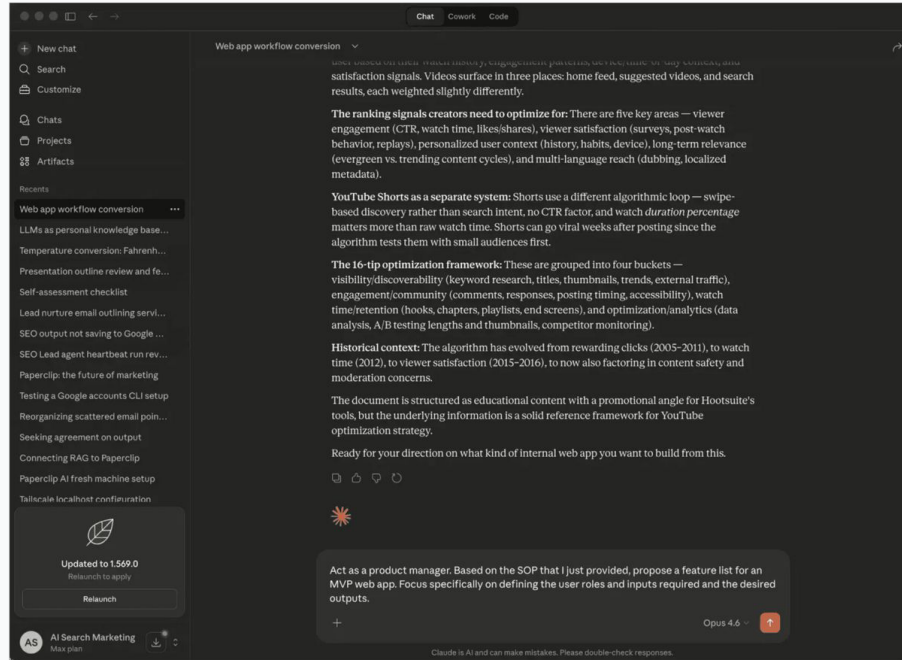
2. THE BRAIN DUMP

Pasting the SOP into Claude for understanding



3. THE PRODUCT MANAGER

Claude proposes a feature list for the MVP



4. THE PRODUCT REQUIREMENTS DOCUMENT

Write a comprehensive product requirements document that I can paste into an AI app builder. It must specifically define:

- * the database tables
- * the user roles
- * the error states (ie the unhappy path)

Let me read the relevant skill files first to create a proper document.

[Read the docx skill for best practices >](#)

The user wants a comprehensive PRD as a pasteable document — this is best as a markdown file since they said "paste into an AI app builder" (not a Word doc for a client). Let me create a thorough markdown document.

[Created a file, read a file >](#)

Here's the PRD, Greg. It covers 17 database tables, 3 user roles with a full permission matrix, 6 features with explicit input/output specs, and around 25 distinct error states grouped by category (auth, validation, workflow, data integrity, and empty/edge cases).

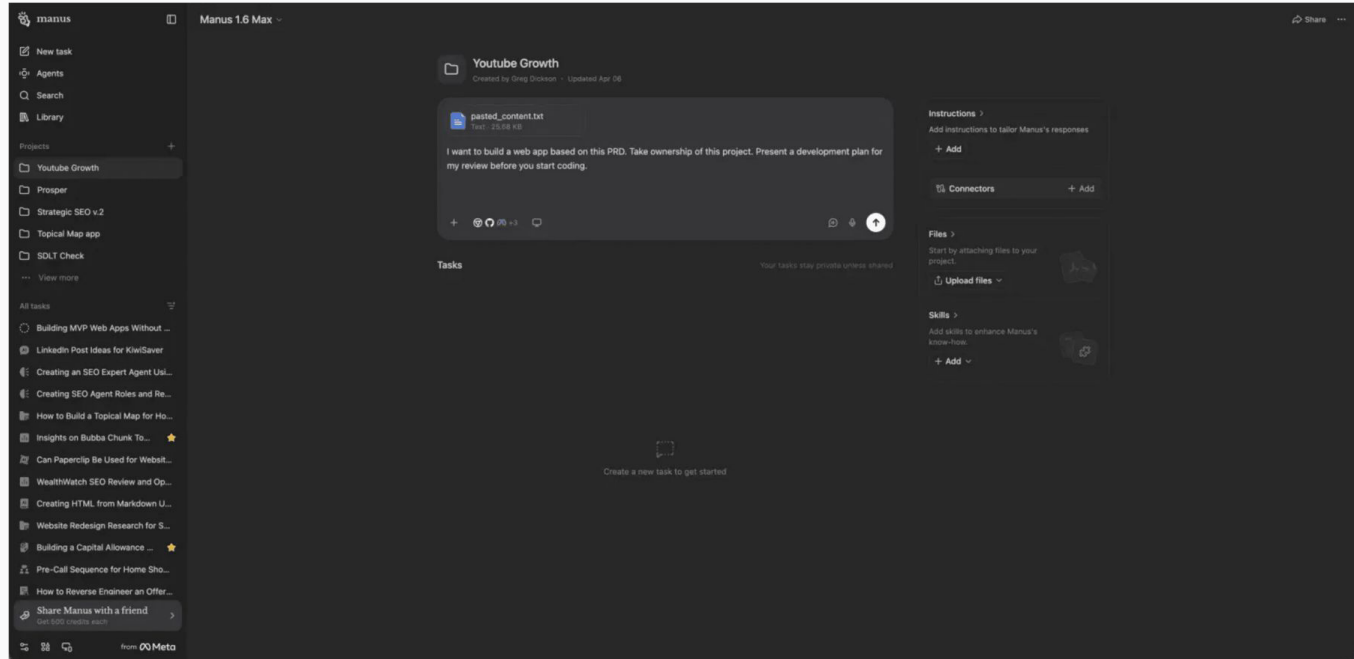
A few design decisions worth flagging before you paste it into a builder:

On the review workflow — I built in a soft gate, not a hard one. Creators can submit a video for review even with a low readiness score (they just get a warning). This avoids the frustration of being blocked when they know something the system doesn't.

On performance snapshots — the 4-interval structure (24h/72h/7d/30d) is rigid by design.

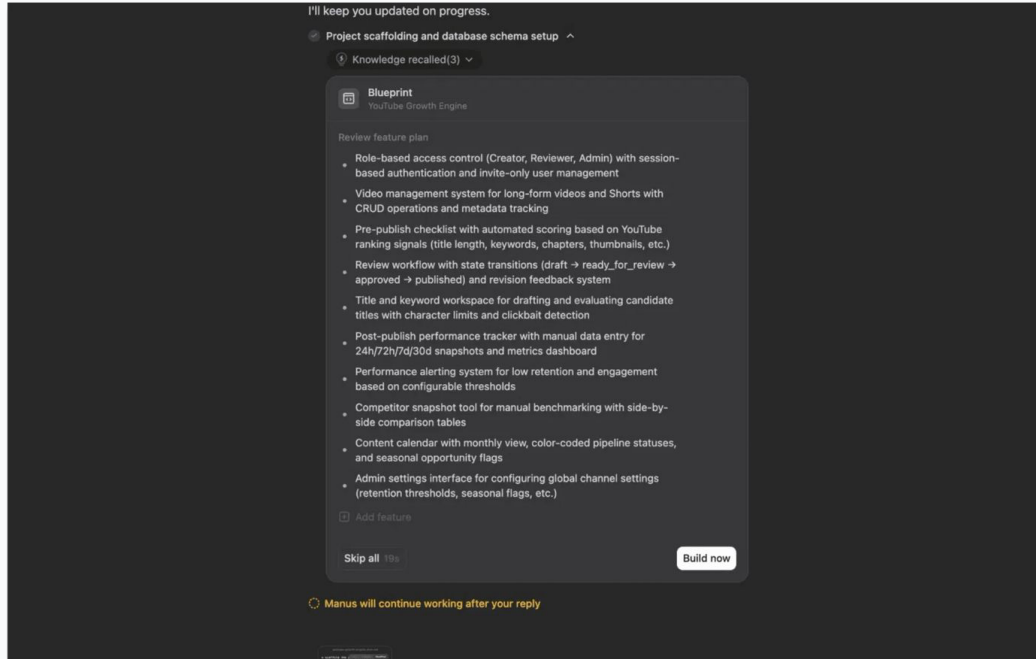
4. THE HANDOFF

Pasting the PRD into Manus to start building



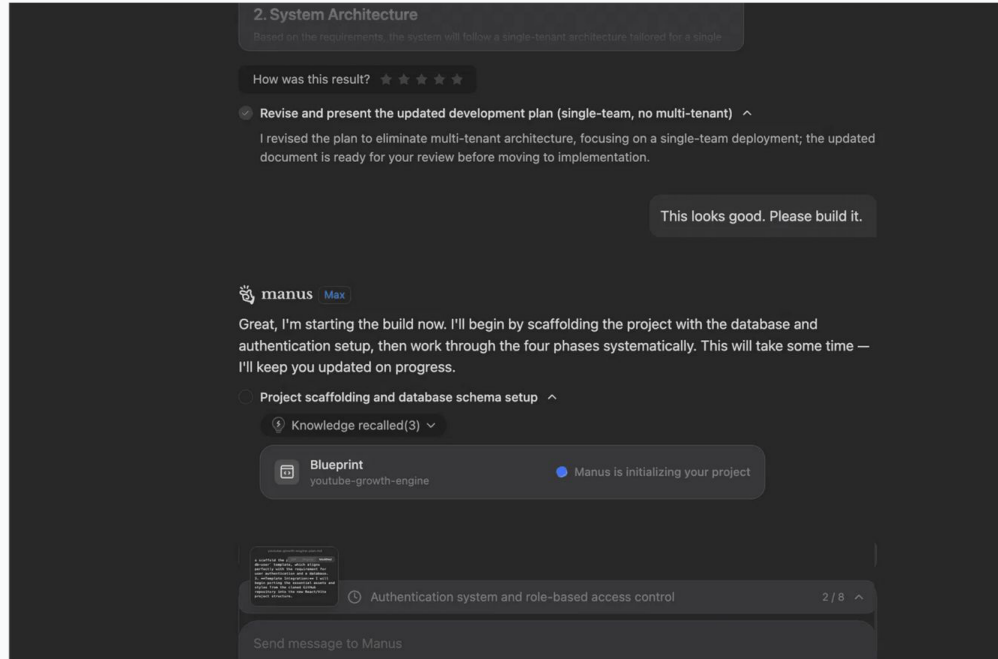
5. THE PLAN REVIEW

Reviewing the Manus blueprint before coding starts



6. THE BUILD PROCESS

Manus actively building the app and setting up the database



SEEING IS BELIEVING

FROM ARTICLE TO FUNCTIONAL WEB APP IN 15 MINUTES.

<https://yt.pipehq.co.nz/>

LIFE AFTER THE MVP

What happens when the app is built?



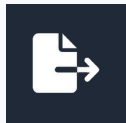
SHARE INSTANTLY

Manus hosts it on a live URL. **Share with your team immediately.**



CUSTOMIZE

Connect your own **custom domain** with one click.



NO LOCK-IN (EXPORT)

Download the entire clean codebase as a zip. **Host it anywhere** or hand it to a developer for production hardening.

A NOTE TO THE DEVS

Enable your team, don't critique their code.

When a non-developer builds their first MVP, they are **incredibly proud of it.**

It's in your best interest to encourage them, not point out where they've gone wrong.

- **TAKES THE PRESSURE OFF**
Enabling others to build their own internal tools clears your backlog.
- **BUILDS EMPATHY**
They finally understand how hard your job is and what it takes to build software.
- **BETTER COMMUNICATION**
They learn how to write better specs and converse with you to get a better final product.

THE LUNCHTIME CHALLENGE

YOUR HOMEWORK FOR TODAY.

<https://www.pipehq.co.nz/chchai>

1 Take your most frustrating **SOP, spreadsheet, or manual task.**

2 Run it through the **Claude → Manus workflow** using the prompt templates.

3 See if you can build a working MVP **before your lunch break is over.**



SCAN FOR PROMPTS

Get the exact Claude & Manus prompt templates used in this talk.

Q & A



WEB APP DEVELOPMENT WITH MANUS



- Greg Dickson

VIBE CODING



VIBE CODING



"I have no technical ability.
And I know nothing about
music."

60
MINUTES



VIBE CODING IS HOW NON-PROGRAMMERS CREATE APPS WITH AI

Your vibe can be more important than your technical skill. By articulating your vision for the end result, holding a vibe can create code in its image. With tools like Cursor, Replit, and Lovable, every AI operator has a pair programmer with infinite patience, incredible skill, and questionable taste.





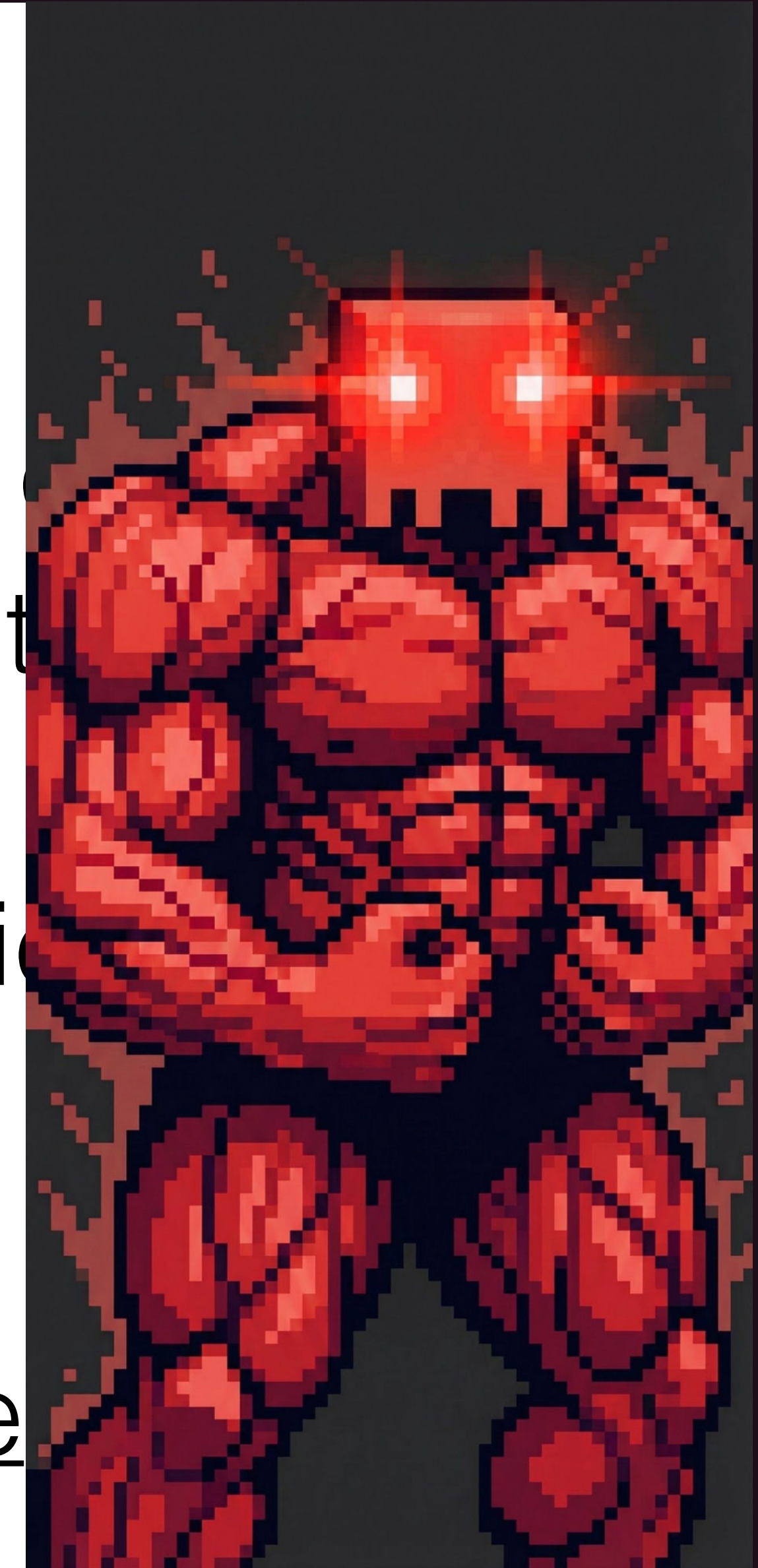
CLAUDE CODE EXPOSED CODEBASE

- ◆ Pushed software update at 4am.
- ◆ Debugging file bundled inside it.
- ◆ Contained 512,000 lines of proprietary code.
- ◆ Chaofan Shou posted a download link to X.
- ◆ 35 million views.
- ◆ DMCA takedown notices from Anthropic.
- ◆ Sigrid Jin - 25 billion tokens in 25
- ◆ Rewrote in Python
- ◆ <https://github.com/instructkr/claw-code>

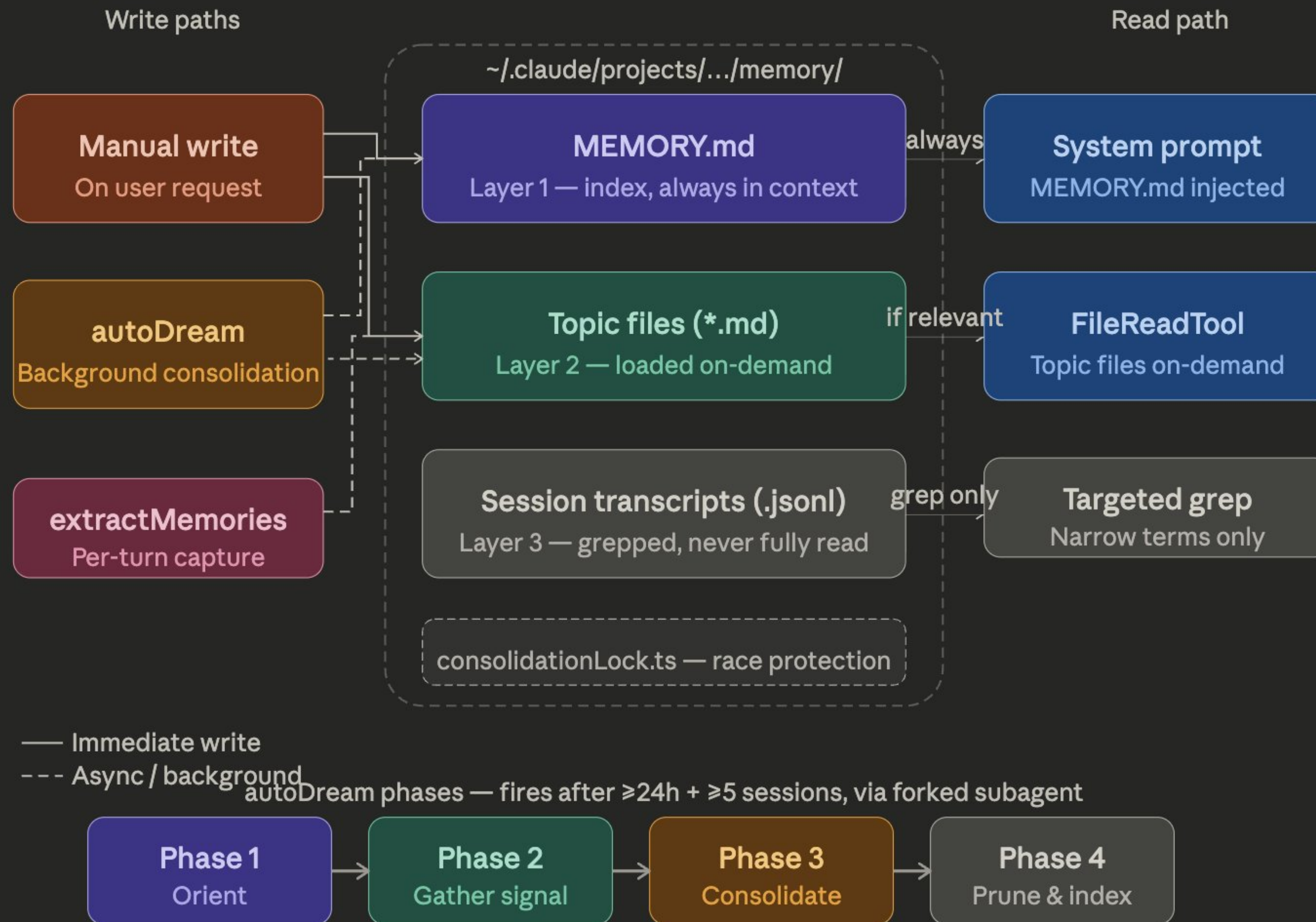


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CLAUDE CODE EXPOSED CODEBASE



CLAUDE CODE SPINNER VERBS

```
15 // Spinner verbs for loading messages
16 export const SPINNER_VERBS = [ 'Accomplishing', 'Actioning', 'Actualizing', 'Architecting', 'Baking', 'Beaming', "Beboppin'",
  'Befuddling', 'Billowing', 'Blanching', 'Blovitating', 'Boogieing', 'Boondoggling', 'Booping', 'Bootstrapping', 'Brewing',
  'Bunning', 'Burrowing', 'Calculating', 'Canoodling', 'Caramelizing', 'Cascading', 'Catapulting', 'Cerebrating', 'Channeling',
  'Channelling', 'Choreographing', 'Churning', 'Clauding', 'Coalescing', 'Cogitating', 'Combobulating', 'Composing', 'Computing',
  'Concocting', 'Considering', 'Contemplating', 'Cooking', 'Crafting', 'Creating', 'Crunching', 'Crystallizing', 'Cultivating',
  'Deciphering', 'Deliberating', 'Determining', 'Dilly-dallying', 'Discombobulating', 'Doing', 'Doodling', 'Drizzling', 'Ebbing',
  'Effecting', 'Elucidating', 'Embellishing', 'Enchanting', 'Envisioning', 'Evaporating', 'Fermenting', 'Fiddle-faddling',
  'Finagling', 'Flambéing', 'Flibbertigibbeting', 'Flowing', 'Flummoxing', 'Fluttering', 'Forging', 'Forming', 'Frolicking',
  'Frosting', 'Gallivanting', 'Galloping', 'Garnishing', 'Generating', 'Gesticulating', 'Germinating', 'Gitifying', 'Grooving',
  'Gusting', 'Harmonizing', 'Hashing', 'Hatching', 'Herding', 'Honking', 'Hullabalooing', 'Hyperspacing', 'Ideating', 'Imagining',
  'Improvising', 'Incubating', 'Inferring', 'Infusing', 'Ionizing', 'Jitterbugging', 'Juliencing', 'Kneading', 'Leavening',
  'Levitating', 'Lollygagging', 'Manifesting', 'Marinating', 'Meandering', 'Metamorphosing', 'Misting', 'Moonwalking', 'Moseying',
  'Mulling', 'Mustering', 'Musing', 'Nebulizing', 'Nesting', 'Newspapering', 'Noodling', 'Nucleating', 'Orbiting', 'Orchestrating',
  'Osmosing', 'Perambulating', 'Percolating', 'Perusing', 'Philosophising', 'Photosynthesizing', 'Pollinating', 'Pondering',
  'Pontificating', 'Pouncing', 'Precipitating', 'Prestidigitating', 'Processing', 'Proofing', 'Propagating', 'Puttering',
  'Puzzling', 'Quantumizing', 'Razzle-dazzling', 'Razzmatazzing', 'Recombobulating', 'Reticulating', 'Roosting', 'Ruminating',
  'Sautéing', 'Scampering', 'Schlepping', 'Scurrying', 'Seasoning', 'Shenaniganing', 'Shimmying', 'Simmering', 'Skedaddling',
  'Sketching', 'Slithering', 'Smooching', 'Sock-hopping', 'Spelunking', 'Spinning', 'Sprouting', 'Stewing', 'Sublimating',
  'Swirling', 'Swooping', 'Symbioting', 'Synthesizing', 'Tempering', 'Thinking', 'Thundering', 'Tinkering', 'Tomfoolering',
  'Topsy-turvying', 'Transfiguring', 'Transmuting', 'Twisting', 'Undulating', 'Unfurling', 'Unravelling', 'Vibing', 'Waddling',
  'Wandering', 'Warping', 'Whatchamacalliting', 'Whirlpooling', 'Whirring', 'Whisking', 'Wibbling', 'Working', 'Wrangling',
  'Zesting', 'Zigzagging',
17 ]
```



CLAUDE CONNECTORS

The screenshot displays the 'Connectors' interface in the Claude application. At the top, there are tabs for 'Chat', 'Cowork', and 'Code'. The main heading is 'Connectors', followed by a brief explanation: 'Connect Claude to your apps, files, and services. Connectors are built by third parties and reviewed by Anthropic for safety. You can also add a custom connector.' Below this, there is a search bar and three filter buttons: 'Sort', 'Desktop', and 'Categories'. The connectors are listed in a grid format, each with an icon, a title, a popularity rank, and a short description.

Connector Name	Popularity Rank	Description
Filesystem	Most popular	Let Claude access your filesystem to read and write files.
PDF (By Anthropic)	#2 popular	Read and interact with PDF files using an interactive viewer with search, navigation,...
Control Chrome	#3 popular	Control Google Chrome browser tabs, windows, and navigation
PowerPoint (By Anthropic)	#4 popular	Control Microsoft PowerPoint with AppleScript automation
Word (By Anthropic)	#5 popular	Control Microsoft Word with AppleScript automation
Figma	#6 popular	The Figma MCP server helps you pull in Figma context and generate high-quality...
Apify MCP server	#7 popular	Extract data from any website using thousands of tools from the Apify Store.
Read and Write Apple Notes	#8 popular	Read, write, and manage notes in Apple Notes
Control your Mac	#9 popular	Execute AppleScript to automate tasks on macOS.
Kapture Browser Automation	#10 popular	Control web browsers through the Model Context Protocol using Chrome DevTools
Postman MCP Server (Minimal)		Connect your AI to your APIs on Postman.
Massive Market Data		Stocks, options & indices market data via Massive.com financial data API. Access rea...
AWS API MCP Server		The AWS API MCP Server lets AI assistants manage AWS resources using AWS CLI...
Fantastical		Read events and tasks, create new items, make basic edits, and delete items from...



LEVELS TO VIBE CODING

1. Prompting an LLM
2. Create a Gem or Custom GPT
3. Use Claude Skills
4. Claude Cowork and local files
5. Claude Code and GitHub



VIBE CODING



Andrej Karpathy ✓

@karpathy

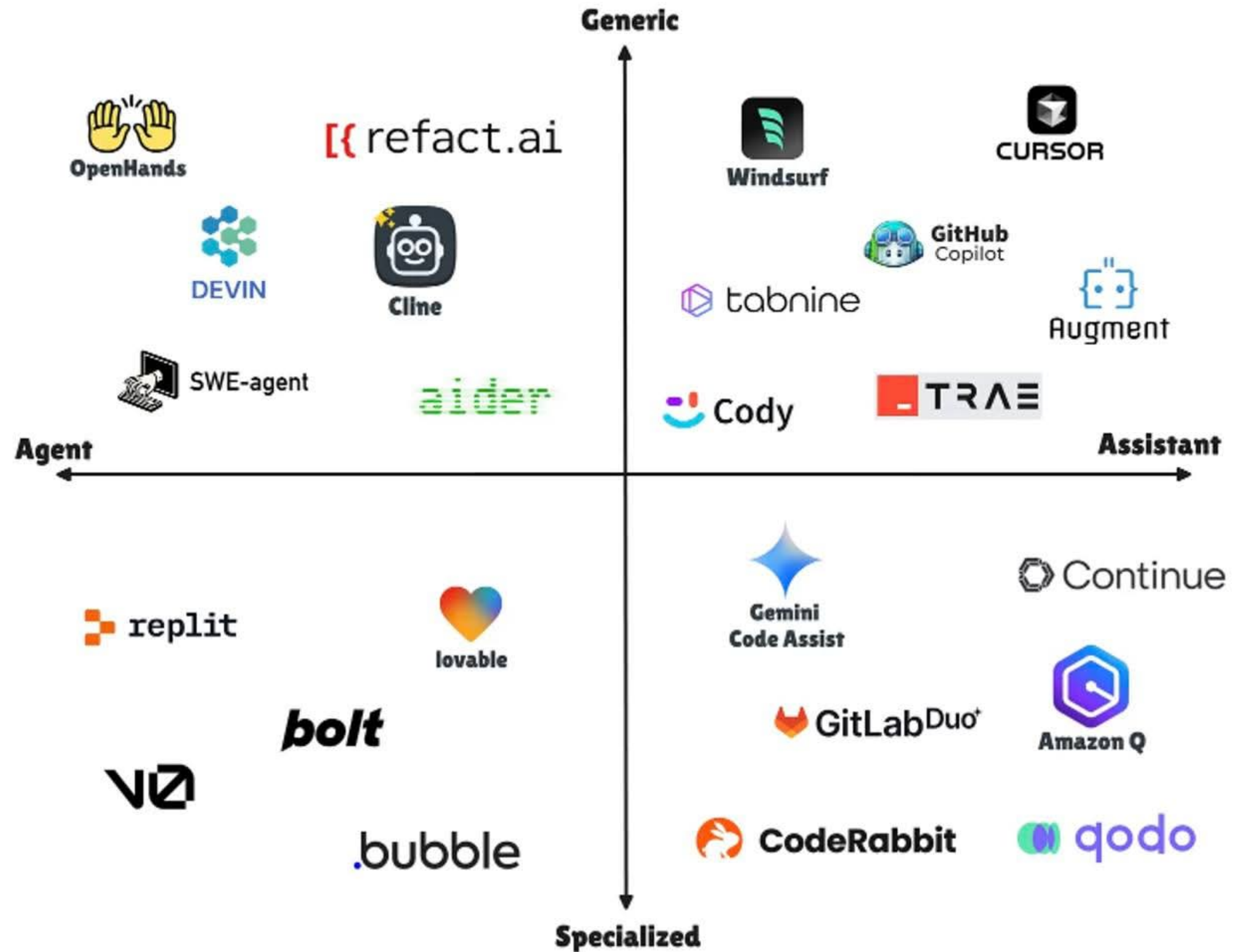


There's a new kind of coding I call "vibe coding", where you fully give in to the vibes, embrace exponentials, and forget that the code even exists. It's possible because the LLMs (e.g. Cursor Composer w Sonnet) are getting too good. Also I just talk to Composer with SuperWhisper so I barely even touch the keyboard. I ask for the dumbest things like "decrease the padding on the sidebar by half" because I'm too lazy to find it. I "Accept All" always, I don't read the diffs anymore. When I get error messages I just copy paste them in with no comment, usually that fixes it. The code grows beyond my usual comprehension, I'd have to really read through it for a while. Sometimes the LLMs can't fix a bug so I just work around it or ask for random changes until it goes away. It's not too bad for throwaway weekend projects, but still quite amusing. I'm building a project or webapp, but it's not really coding - I just see stuff, say stuff, run stuff, and copy paste stuff, and it mostly works.

12:17 PM · Feb 3, 2025 · 6.8M Views



VIBE CODING TOOLS



VIBE CODING STATS

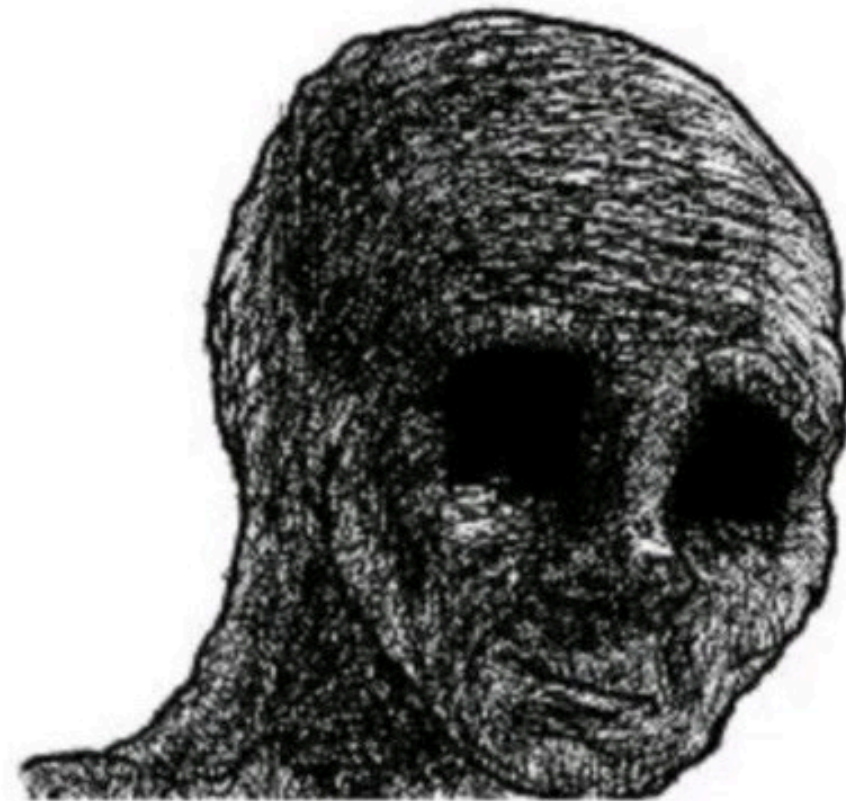
- ◆ Cursor creates 1 billion lines of code/day
- ◆ Lovable - 140k users, 25k new apps/day
- ◆ Devs report 30% increase in coding speed
- ◆ Average 17.3 hours/week debugging code



VIBE CODING



Vibe
coding

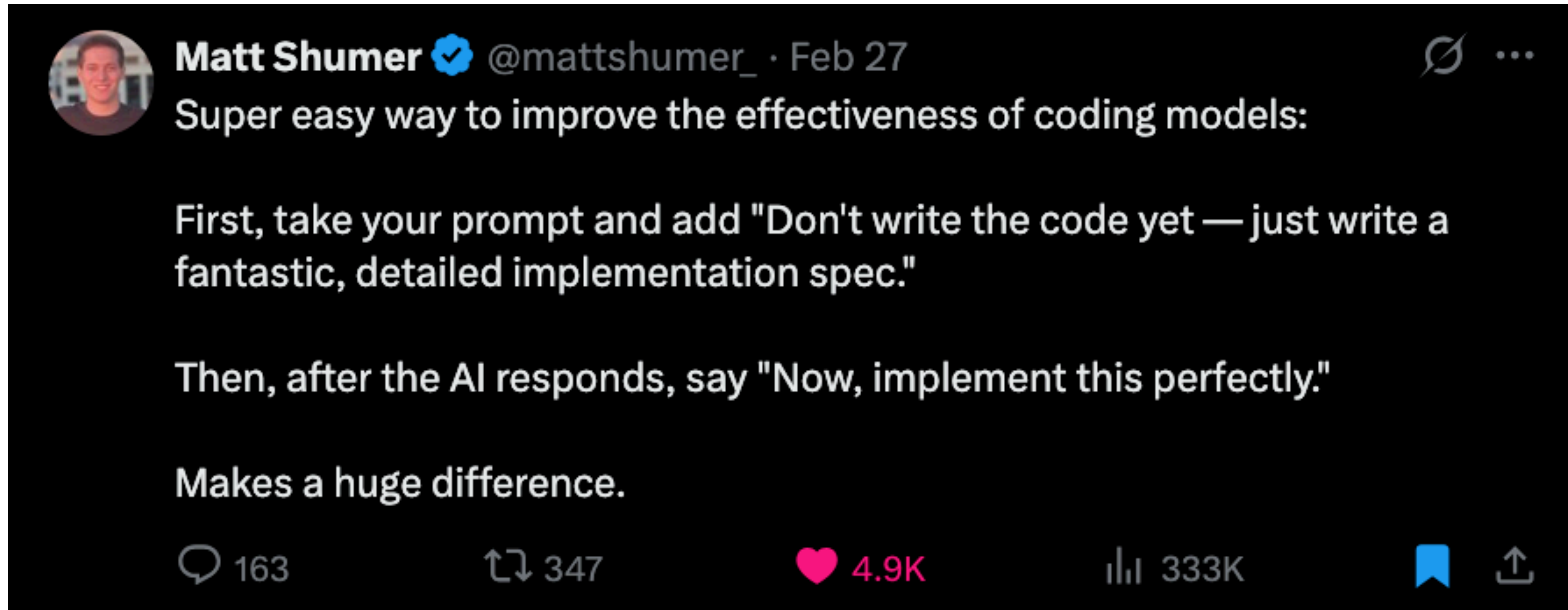


Vibe
debugging


imgflip.com



VIBE CODING



A screenshot of a tweet from Matt Shumer (@mattshumer_) dated Feb 27. The tweet discusses a technique for improving AI coding models by adding specific prompts. The tweet has 163 replies, 347 retweets, and 4.9K likes. The interface includes icons for replies, retweets, likes, views, and share.

Matt Shumer  @mattshumer_ · Feb 27

Super easy way to improve the effectiveness of coding models:

First, take your prompt and add "Don't write the code yet — just write a fantastic, detailed implementation spec."

Then, after the AI responds, say "Now, implement this perfectly."

Makes a huge difference.

163 347 4.9K 333K



VIBE CODING

15 Rules of Vibe Coding



1. **Start from a template:** Begin your project by cloning a template from GitHub or another source to provide a solid foundation. (On cursor, Start from Repo, and paste this link to build a nextjs app that is prebuilt with AI features, database and authorization <https://github.com/ansh/template-2>)
2. **Use agent mode:** Utilize Cursor's agent mode (not normal mode) to create, edit, and manage files through natural language commands.
3. **Use Perplexity:** Use perplexity to find new designs and api's from the web. Say that you are creating a nextjs project, and that you want to create ___x___ feature, and to give you instructions *AND* code examples.
4. **Create new chats in Composer:** Open a new Composer chat for each distinct task. Keep agent chats short.
5. **Run locally, test frequently:** Use built-in servers to run your app locally and test often to catch issues early.
6. **Iterate and refine:** Embrace rapid iteration—don't worry about perfect designs initially; improve them step by step.
7. **Utilize voice-to-text:** Use tools like *Whispr Flow* for faster input, and just vibe.
8. **Clone and fork wisely:** Use GitHub repos as starting templates to accelerate development, or to find inspiration, then customize them to fit your vision.
9. **Copy errors and paste into Composer agent:** When errors occur, copy error messages from your console and paste them into the Composer agent, and more times than not, it will be fixed. When dealing with errors, over explain the issue if it's not fixed the first time.
10. **Don't forget you can restore previous Composer chats:** Save your work frequently so you can revert to an earlier state if needed.
11. **Secure your secrets:** Always store API keys and sensitive data in environment files rather than hard-coding them.
12. **Commit often:** Push your progress to GitHub regularly to track changes and safeguard your work. Cursor can do this for you, just ask the agent.
13. **Deploy early:** Use platforms like Vercel to deploy your app early, to make sure there are no errors on deployment.
14. **Keep a record of the prompts that work best; reuse them often:** Document your most effective prompts to make future development and debugging easier.
15. **Enjoy the process—just vibe:** Embrace the creative journey of vibe coding, experiment, learn, and have fun along the way. just vibe.





ELEMENTAL DEV

AUTOPILOT ACTIVE

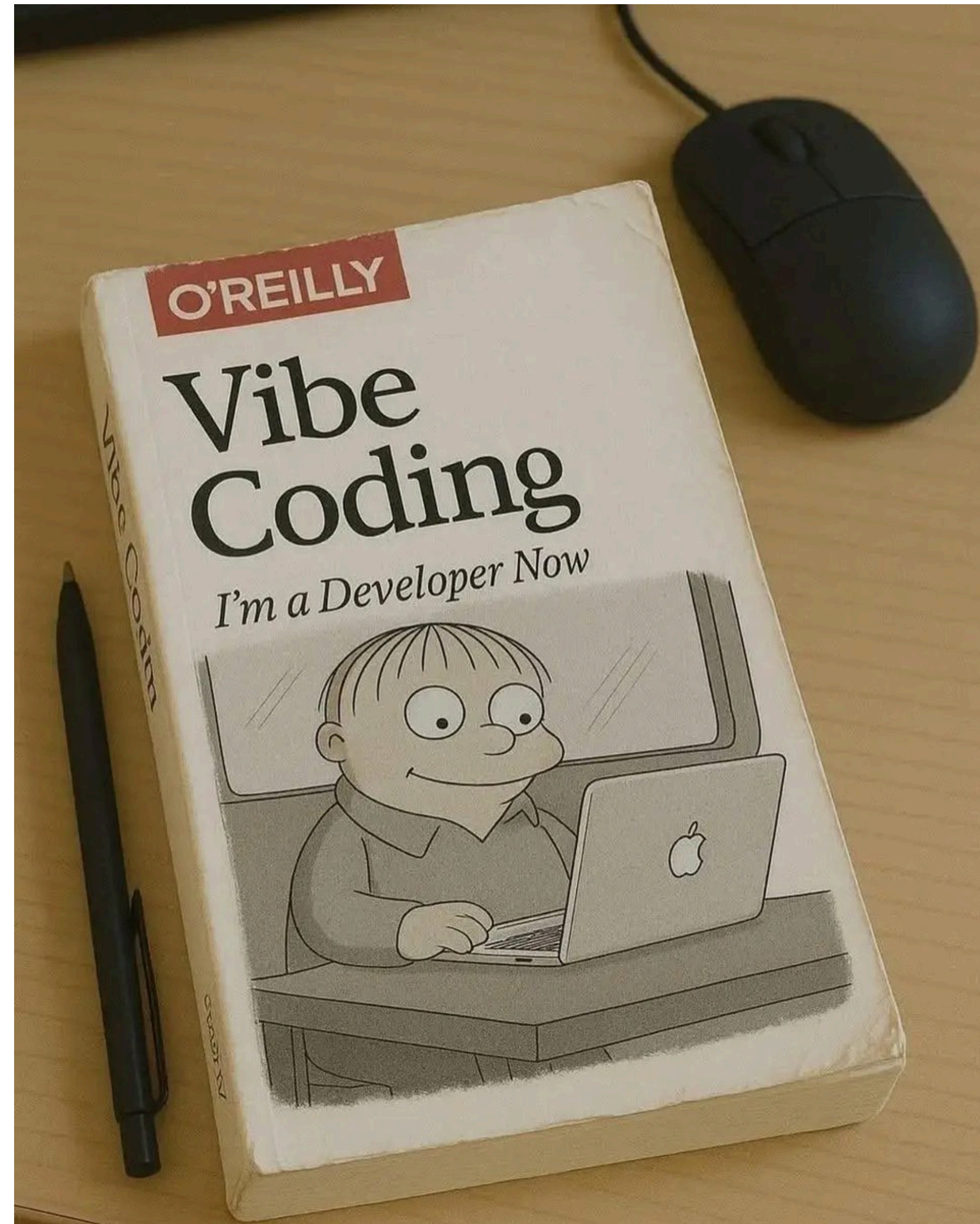
MT. MIRRA
12/15/2024

DEV TOOL STACK

- ◆ **Terminal**
- ◆ **Xcode**
- ◆ **Homebrew**
- ◆ **Github**



VIBE CODING

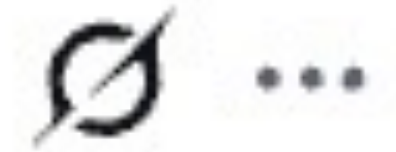


VIBE CODING



I Am Devloper ✓

@iamdevloper



vibe coding, where 2 engineers can now create the tech debt of at least 50 engineers

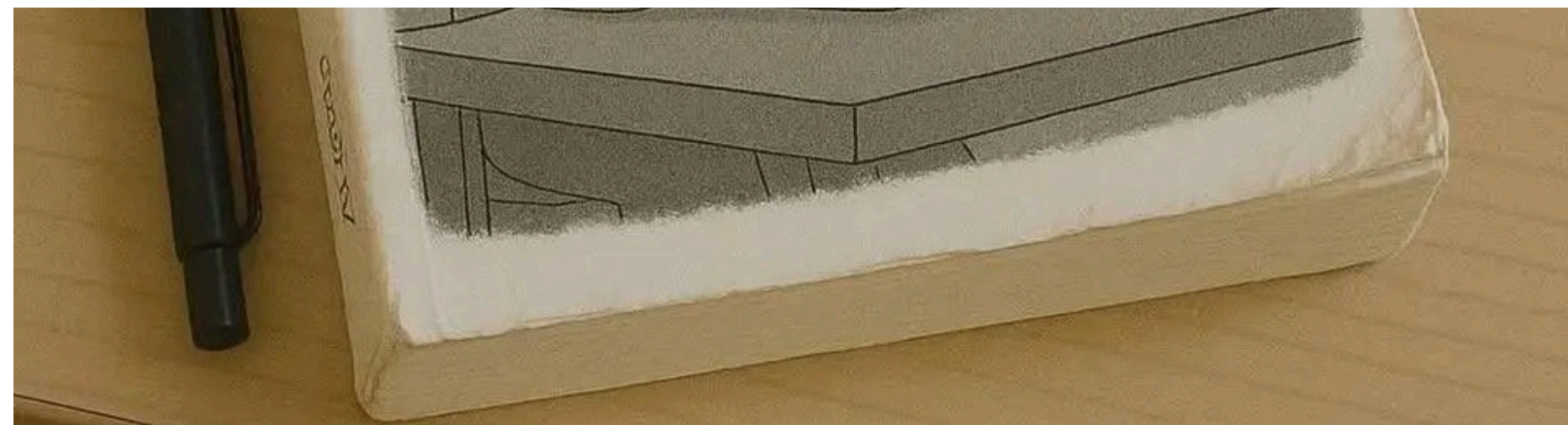
8:50 PM · Mar 20, 2025 · **646.1K** Views

166

1.6K

14K

756



VIBE CODING



GAME: CLAUDE ARTIFACTS QUIZ GAME

- ✦ **GOAL:** Build a fully functional web app with AI.
- ✦ **RULES:** Use Claude Artifacts to preview and edit the app.
- ✦ **FEEDBACK:** If this was on a standalone domain, how would you feel about sharing it? What needs to be fixed before it is ready to publish?



GAME: CLAUDE ARTIFACTS QUIZ GAME

1. Build a simple 5-question geography quiz using HTML and JavaScript. Each question should have 4 multiple choice answers and show the user their score at the end.
2. Add CSS styling and randomise the question order for each playthrough.
3. Let the user select a difficulty level before starting, include a progress bar and a final results breakdown.



GAME: CREATE A TETRIS APP

- ✦ **GOAL:** Build a Tetris-style game with vibe coding.
- ✦ **RULES:** Setup an account with Claude Code and vibe code a Tetris-style app.
- ✦ **FEEDBACK:** Is this fun to play?



GAME: BUILD A TETRIS-STYLE GAME

1. Create a simple playable Tetris game in HTML, CSS, and JavaScript that works locally in a browser.
2. Add Supabase to your Tetris app: enable user sign-in with Google and store each user's high score in Supabase.
3. Enhance your Tetris app with a real-time multiplayer spectator mode, and generate AI commentary based on in-game performance.



Build with Andrew

Welcome to our most beginner-friendly course to date!

If you've never written code or built an app with AI before, this course is for you.

In less than 30 minutes, you'll learn to describe an idea in words and let AI transform it into an app for you.

Taught by Andrew Ng. Available exclusively at DeepLearning.AI.

[Enroll Now](#)

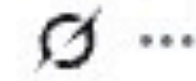


VIBE CODING

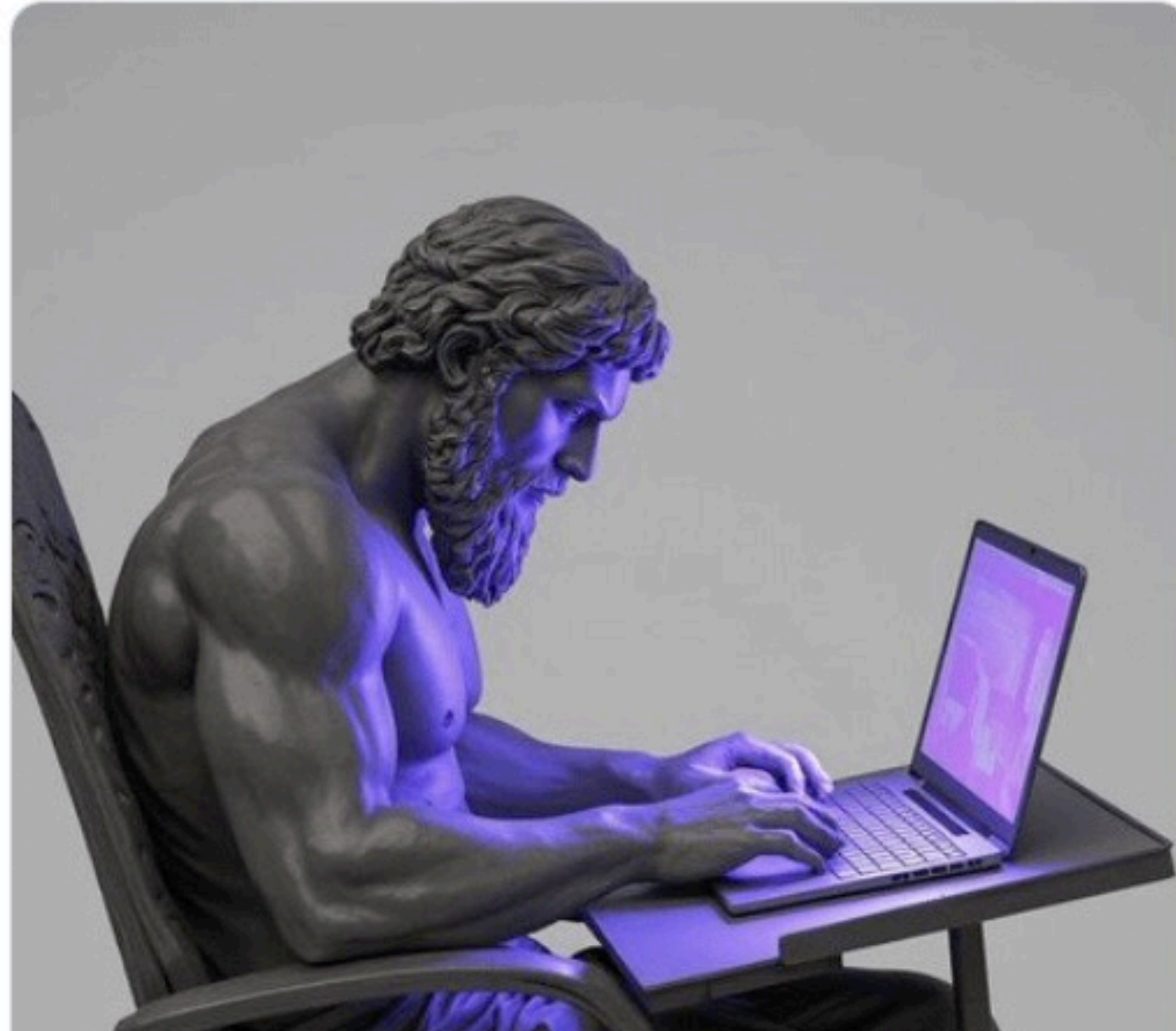


Andrew Gazdecki

@agazdecki




"Claude build me a \$100M startup, get it acquired, deposit the funds in my bank account, and notify me when completed. Make no mistakes"



SAGE FRAMEWORK

- ✦ **SCOPE**
- ✦ **AUTOMATE**
- ✦ **GENERATE**
- ✦ **EVALUATE**





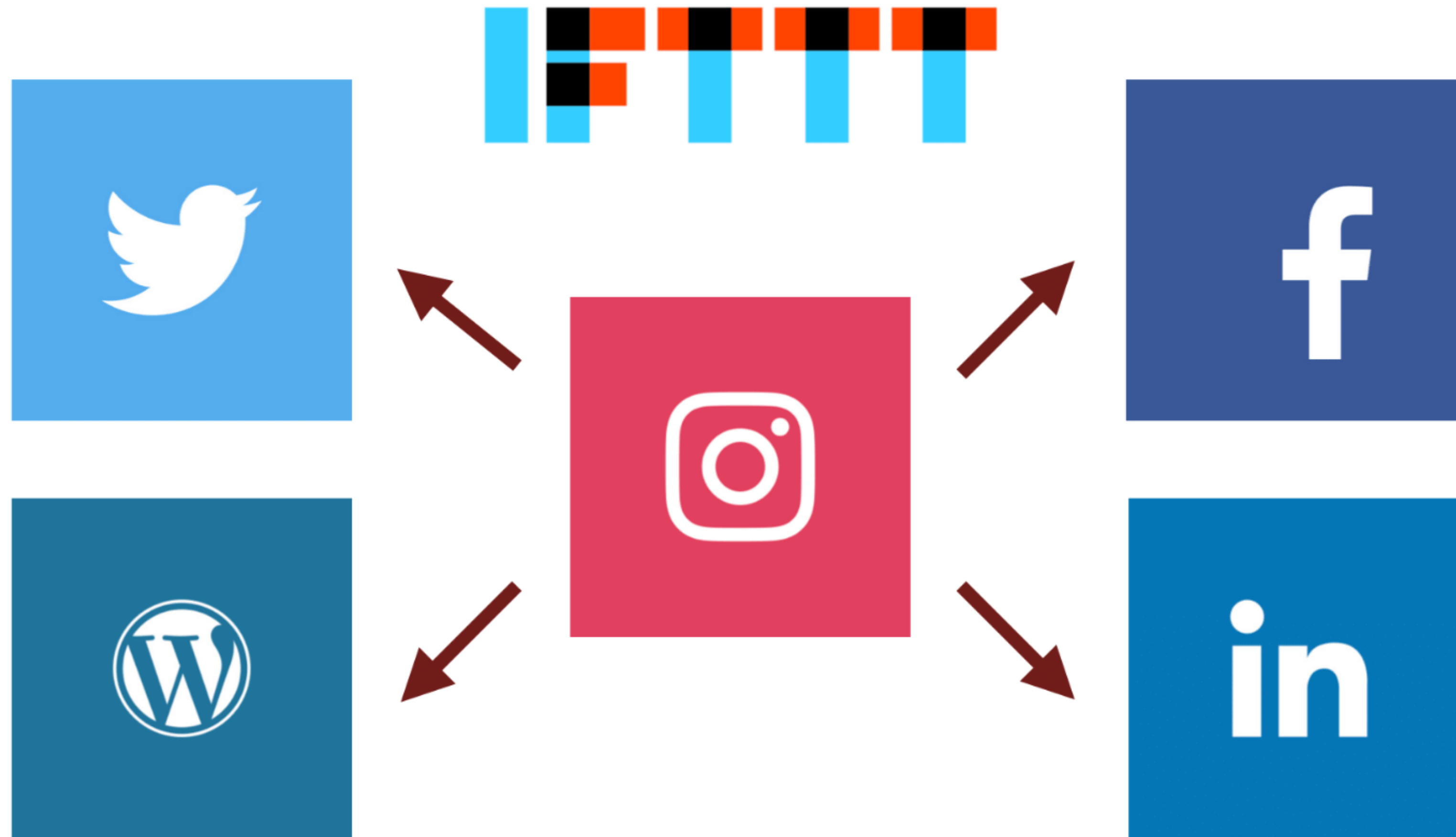
S.C.O.P.E.

SCOPE CREEP!





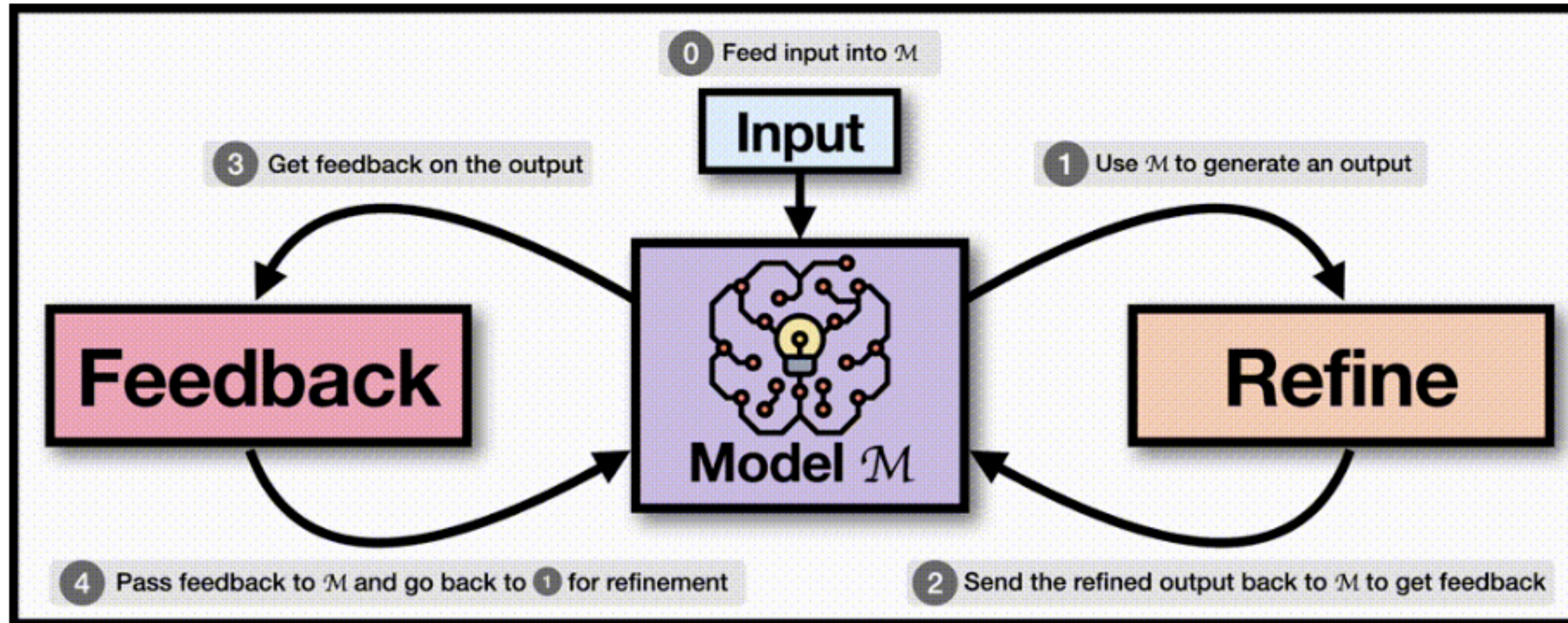
IF THIS, THEN THAT







SELFREFINE.INFO



SELF-REFINE iteratively improves outputs from LLMs through a process of iterative creation with feedback description.



SELFREFINE.INFO

REFLEXION - 2023, NORTHEASTERN UNIVERSITY, SHINN ET.AL.

- ✦ Self-reflection improves task performance by 80% on reasoning benchmarks



GAME: ADVERTORIAL ANALYSIS

- ✦ **GOAL:** Stress-test a sales page by simulating elite-level expert critique.
- ✦ **RULES:** Paste a landing page or copied content after the prompt.
- ✦ **FEEDBACK:** Could this type of review process be added to any other workflows?



GAME: ADVERTORIAL ANALYSIS

1. Review this content and have 10 of the world's greatest advertorial experts on subjects like copywriting, design, psychology and conversion rate optimisation review the page. They will provide detailed feedback and give a ranking on a scale from 1-100. Each expert should identify specific areas for improvement that reflect their ranking. If the average ranking isn't over 90, then go back and improve it using the specific recommendations and feedback until it scores an average above 90. Here is the content: PASTE
2. Compare this version to the original.
3. Open in Canvas.





CLAUDE SKILLS



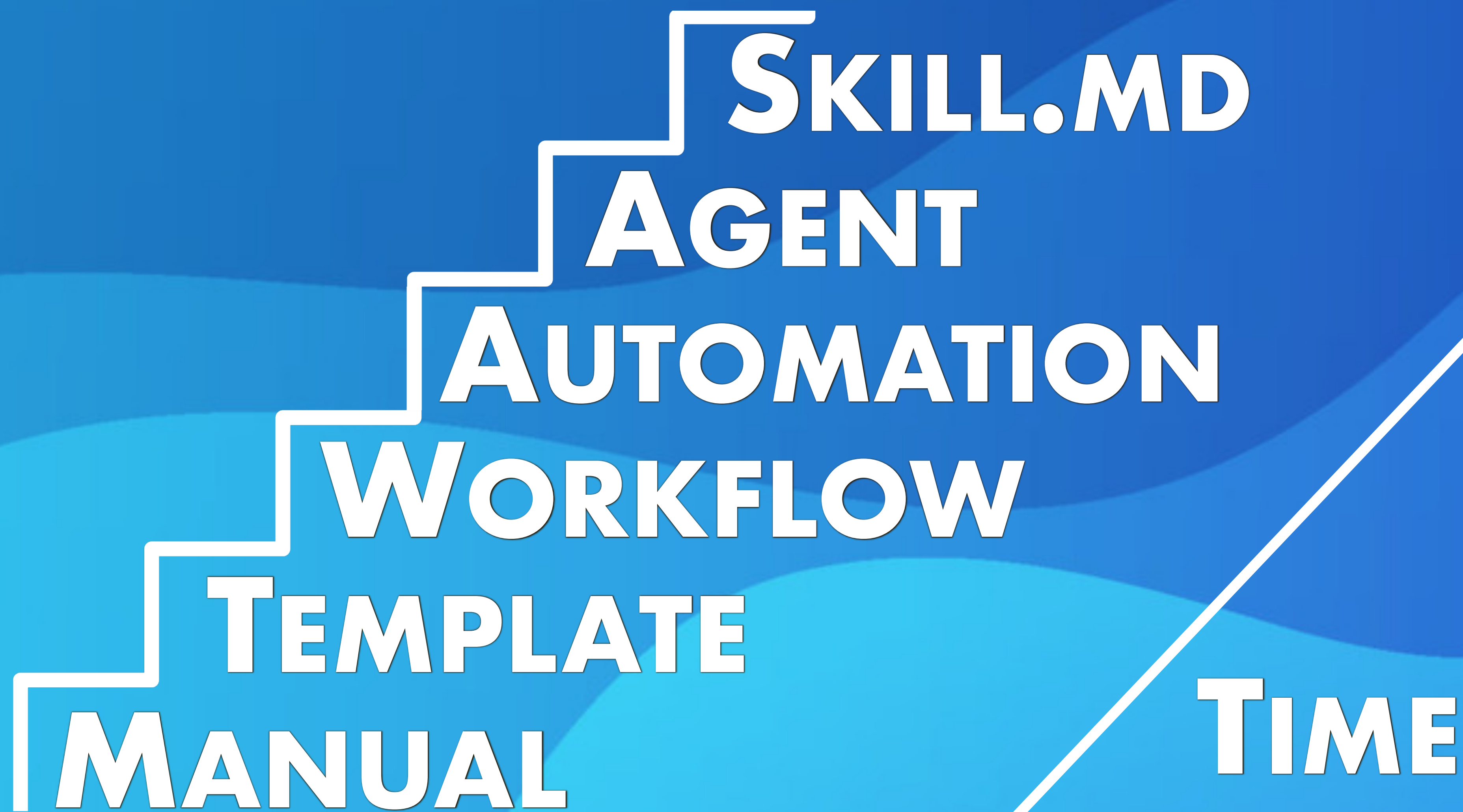
CLAUDE SKILLS ARE PLUG-AND-PLAY CAPABILITY UPGRADES.

Each markdown file contains instructions and context, storing skills as a reference. They are only invoked as needed, keeping your agent's attention efficient. But remember, installing a skill is installing privileged code.





SKILL.MD
AGENT
AUTOMATION
WORKFLOW
TEMPLATE
MANUAL



SKILLS.SH

The screenshot shows the Skills.sh website interface. At the top, there's a navigation bar with 'Skills' and links for 'Official', 'Audits', and 'Docs'. The main content area features the 'SKILLS' logo and the tagline 'THE OPEN AGENT SKILLS ECOSYSTEM'. A descriptive text states: 'Skills are reusable capabilities for AI agents. Install them with a single command to enhance your agents with access to procedural knowledge.' Below this, there are two sections: 'TRY IT NOW' with a terminal command '\$ npx skills init' and 'AVAILABLE FOR THESE AGENTS' with icons for various AI agents. At the bottom, there is a 'SKILLS LEADERBOARD' with a search bar and a table of top skills.

Skills are reusable capabilities for AI agents. Install them with a single command to enhance your agents with access to procedural knowledge.

TRY IT NOW

```
$ npx skills init
```

AVAILABLE FOR THESE AGENTS

SKILLS LEADERBOARD

Q Search skills...

All Time (91,511) Trending (24h) Hot

#	SKILL	INSTALLS
1	find-skills vercel-labs/skills	787.5K
2	vercel-react-best-practices vercel-labs/agent-skills	263.7K
3	frontend-design anthropics/skills	222.2K
4	web-design-guidelines vercel-labs/agent-skills	212.9K



CLAWHUB.AI

Github v1.0.0

Download zip

Interact with GitHub using the `gh` CLI. Use `gh issue`, `gh pr`, `gh run`, and `gh api` for issues, PRs, CI runs, and advanced queries.

LICENSE
MIT-0 · Free to use, modify, and redistribute. No attribution required.

★ 472 · 📄 143k · 3.7k current · 3.8k all-time

by  Peter Steinberger · @steipete

MIT-0

SECURITY SCAN

 VirusTotal Benign

[View report →](#)

 OpenClaw Benign

HIGH CONFIDENCE

This is an instruction-only skill that simply provides example gh CLI commands and does not request extra environment variables, installs, or other privileges—its requirements are coherent with its stated purpose.

[Details ^](#)

✓ PURPOSE & CAPABILITY

The skill's name and description match the SKILL.md content: it instructs use of the GitHub `gh` CLI (issues, PRs, runs, gh api). It does not ask for unrelated credentials or binaries.

✓ INSTRUCTION SCOPE


All runtime instructions are specific gh CLI invocations (gh pr, gh run, gh api, gh issue). They remain within the stated purpose and do not direct the agent to read arbitrary local files, environment variables, or to transmit data to external endpoints outside GitHub.

✓ INSTALL MECHANISM

There is no install spec and no code files. This is the lowest-risk model for an instruction-only skill.




CLAWHUB.AI

 ClawHub Skills Plugins Search About 🌙 ⚙️ 🖥️ [Sign in with GitHub](#)

self-improving-agent v3.0.11 [Download zip](#)


Captures learnings, errors, and corrections to enable continuous improvement. Use when: (1) A command or operation fails unexpectedly, (2) User corrects Clau...


★ 2.9k · 📄 339k · 5.3k current · 5.6k all-time

by  @pskoett

MIT-0

SECURITY SCAN

 VirusTotal Benign [View report →](#)

 OpenClaw Benign HIGH CONFIDENCE

The skill's files, scripts, and instructions are consistent with its stated purpose (capturing and promoting learnings); nothing in the package requests unrelated credentials or installs arbitrary remote code, but pay attention to hooks and runtime outputs that could accidentally surface sensitive data if misconfigured. [Details ^](#)

✓ **PURPOSE & CAPABILITY**

The skill declares itself as a self-improvement / learning-capture tool and all included artifacts (scripts to create/update .learnings, an extractor script, an error detector that reads tool output, and OpenClaw hook handlers) serve that purpose. There are no unexpected credentials, binaries, or unrelated install steps required.

ⓘ **INSTRUCTION SCOPE**

SKILL.md instructs the agent to create and write to .learnings/ files, to promote broadly-applicable learnings into workspace files (SOUL.md, AGENTS.md, etc.), and to optionally enable hooks that inject reminders at agent bootstrap or run post-tool hooks. The docs correctly warn to avoid logging secrets, but the workflow depends on the user/agent to sanitize entries before promotion or cross-session sharing. This is a behavioral risk (not hidden code). The error detector script reads




CLAWHUB.AI

ClawHub Skills Plugins Search About 🌐 ⚙️ 🌙 [Sign in with GitHub](#)

Skill flagged – suspicious patterns detected
ClawHub Security flagged this skill as suspicious. Review the scan results before using.



Polymarket v1.0.3 [Download zip](#)

Query Polymarket prediction markets - check odds, trending markets, search events, track prices and momentum. Includes watchlist alerts, resolution calendar,...

★ 33 · 📄 76.5k · 17 current · 17 all-time
by  @joelchance

MIT-0

SECURITY SCAN

 VirusTotal	Suspicious	View report →
 OpenClaw	Benign	HIGH CONFIDENCE

The skill's code, runtime instructions, and requirements are consistent with a Polymarket read-only query + local watchlist/paper-trading tool; it does not request secrets or elevated privileges. [Details ^](#)

- ✓ **PURPOSE & CAPABILITY**
Name/description match the behavior: the code calls Polymarket's public Gamma API, exposes search/trending/calendar/movers/watchlist/paper-trade features, and stores local watchlist and portfolio under ~/.polymarket – all coherent with the stated purpose.
- ✓ **INSTRUCTION SCOPE**
SKILL.md instructions are scoped to running the provided Python script, scheduling cron jobs, and using local storage for watchlist/portfolio. The instructions reference only public Polymarket endpoints and local files under ~/.polymarket; they do



AGENT SKILLS ANALYSIS

[HTTPS://ARXIV.ORG/ABS/2602.08004](https://arxiv.org/abs/2602.08004)

- ✦ Analysed 40,000 skills
- ✦ 46% were duplicates
- ✦ Median - 1,414 tokens
- ✦ Mid 2025 - 50 skills
- ✦ March 2026 - 85,000 skills



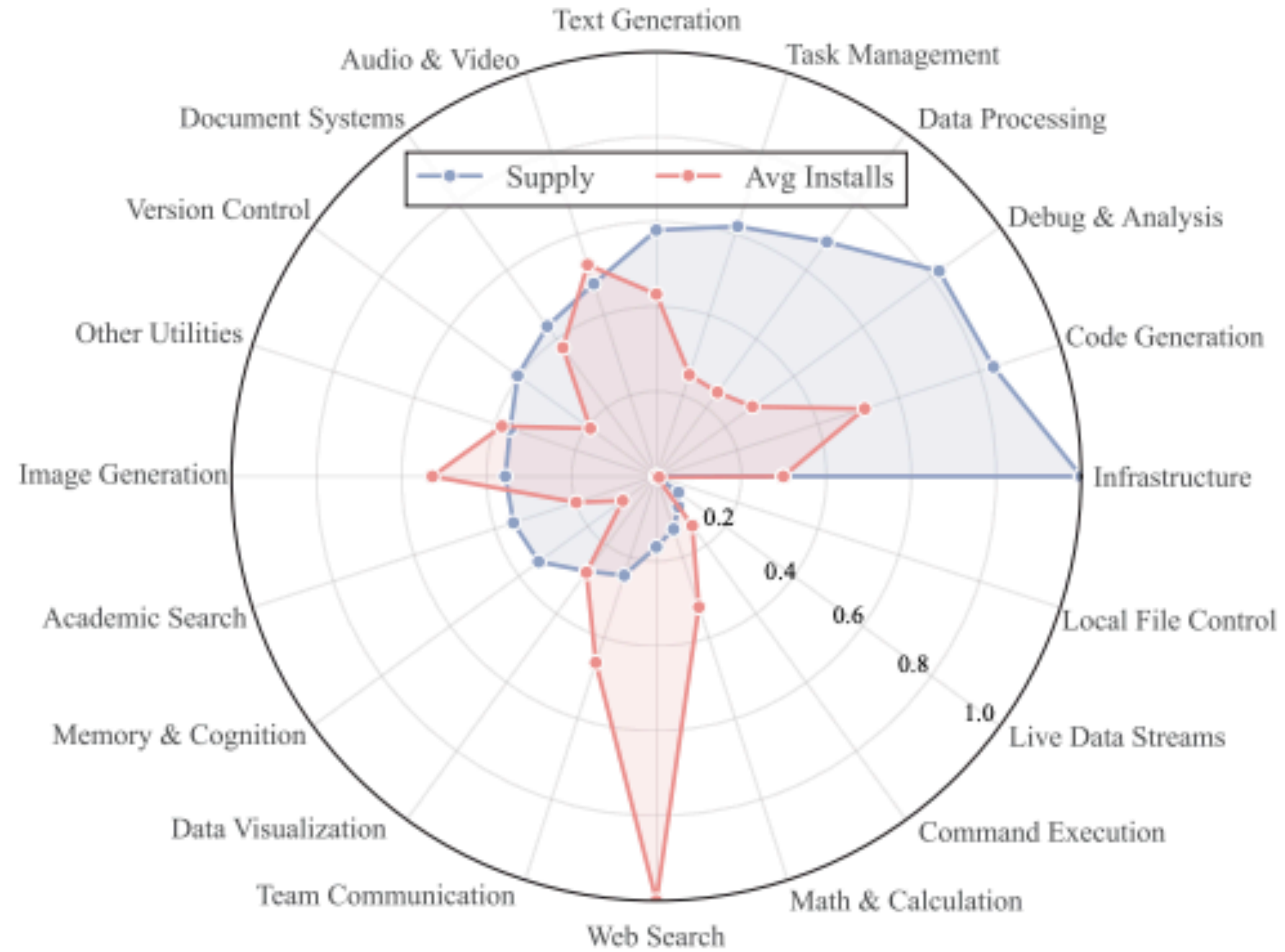
AGENT SKILLS ANALYSIS

Major Category	Sub-Category	# Skills	% of Total	Avg Tokens	Avg Downloads
Software Engineering	Code Generation	5,743	14.3%	2004	235
	Debug & Analysis	5,319	13.2%	1772	103
	Version Control	1,275	3.2%	1403	71
	Infrastructure	9,664	24.0%	1995	114
Information Retrieval	Web Search	567	1.4%	1517	1268
	Academic Search	1,083	2.7%	2100	73
	Live Data Streams	277	0.7%	1514	48
Productivity Tools	Team Communication	698	1.7%	1458	196
	Document Systems	1,579	3.9%	1981	125
	Task Management	2,275	5.6%	1656	106
Data & Analytics	Data Processing	3,179	7.9%	2134	93
	Math & Calculation	368	0.9%	2028	147
	Data Visualization	736	1.8%	2322	108
Content Creation	Image Generation	1,201	3.0%	2145	214
	Text Generation	2,212	5.5%	1977	178
	Audio & Video	1,466	3.6%	1744	266
Utilities & Other	Local File Control	255	0.6%	1420	42
	Command Execution	337	0.8%	1541	70
	Memory & Cognition	929	2.3%	1475	54
	Other Utilities	1,125	2.8%	1684	135

Table 1: **Functional taxonomy and category-level statistics of agent skills.** Skills are organized into 6 major categories and 20 sub-categories. For each sub-category, we report its size (# skills and % of corpus), the average skill length in tokens, and the mean downloads/installs.



AGENT SKILLS ANALYSIS



SHOPCLAWMART.COM

Claw Mart Browse Audit Blog Daily Clawsourcing Login / Sign Up

Browser Error Rescue ★ Skill
Research ♡ \$9

When browser automation fails, recover the page another way.

Research

Caelan Huntress View Buy

Daily Security Audit ★ Skill
Ops ♡ \$5

Automated daily security checks for your OpenClaw host — ports, firewall, OS updates, and more.

Ops

Caelan Huntress View Buy

OpenClaw Self-Healing System ★ Skill
Ops ♡ \$15

Your gateway crashes at 3am. This fixes it before you wake up.

Ops

Caelan Huntress View Buy

Revenue & Pricing Calculator ★ Skill
Finance ♡ \$9

Transparent business math for SaaS metrics, offer pricing, cohorts, retainers, and break-even decisions.

Finance

Caelan Huntress View Buy

Sales Page Review Board ★ Skill
Marketing ♡ \$20

10 expert lenses to score, diagnose, and improve any sales page for conversion.

Marketing

Caelan Huntress View Buy

Strategic Web Researcher ★ Skill
Research ♡ \$15

Turn open-ended web questions into concise, source-backed briefs (no link dumps).

Research

Caelan Huntress View Buy

Website Launch Kit ★ Skill
Engineering ♡ \$29

Set up Cloudflare, connect Vercel, and push your site live without DNS headaches.

Engineering

Caelan Huntress View Buy

X Monitor ★ Skill
Marketing ♡ \$5

Read X posts, search tweets, and monitor accounts via the X API.

Marketing

Caelan Huntress View Buy



UPCOMING EVENTS

TUESDAY AT NOON



OpenClaw User Group

- 📍 Where? EPIC Innovation
- 🕒 When? 12-1PM
- 📅 Tuesday, 7 April
& Tuesday, 21 April



Prompt Like A Pro: Practical AI Techniques

- 📍 Where? Zoom
- 🕒 When? 2-3 PM
- 📅 Friday, 17 April

Speaker:
Caelan Huntress

FIRST MONDAY @ EPIC INNOVATION



AI Governance & The Doom Thesis

- 📍 Where? EPIC Innovation
- 🕒 When? 5:30 - 8:00 PM
- 📅 Monday, 4 May

Christchurch-Ai.Com

Speakers:

Dr Elsamari Botha & Hazel Shanks

TECHWEEK @ EPIC INNOVATION



All-Day EPIC AI Conference

- 📍 Where? EPIC Innovation
- 🕒 When? All Day
- 📅 Thursday, 21 May

Christchurch-Ai.Com/

[Epic-Ai-Conference](https://Christchurch-Ai.Com/Epic-Ai-Conference)

Workshops AM, Speakers PM, Panel After-Hours



Christchurch

ARTIFICIAL INTELLIGENCE

MEETUP GROUP

<https://christchurch-ai.com>



Founders Plan



[HTTPS://JOIN.AI-COACHING.ACADEMY/](https://join.ai-coaching.academy/)

FOUNDERS



SCAN HERE





[HTTPS://JOIN.AI-COACHING.ACADEMY/](https://join.ai-coaching.academy/)

FOUNDERS



Get 70% Off

April Only

\$500/YEAR

~~\$100/mo~~

SCAN HERE



Monthly
Group Coaching



Monthly
Power Hour

[HTTPS://JOIN.AI-COACHING.ACADEMY/](https://join.ai-coaching.academy/)

FOUNDERS



Get 70% Off

April Only

\$500/YEAR

~~\$100/mo~~

SCAN HERE



“I use AI every day now, and I hardly did before taking this training programme. Caelan’s positivity and enthusiasm is really engaging. His workshops are full of facts and anecdotes, and a lot of fun.”

Testimonial



Silena Kirkconnell-Kawana

“I came into Caelan’s workshop not knowing anything about custom GPTs or comparing prompts between different AI models. Now I can draft blog articles in my own voice, iterate across tools, and polish them in a fraction of the time. This training gave me the confidence to try new things, and a clear way of cutting through to what works. Caelan’s workshop was memorable and absolutely worth it.”

Testimonial



Andrew Pitts

“This was probably the best workshop that I have attended, and multiple people said the same thing. The shift in confidence and engagement across the team is exactly what we were hoping for.”

Testimonial



Matt Harris