

LLMs: an operator's view

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CTO @ Nordhealth

Managers: a story

2010-2020: hire everyone

2021-2024: fire everyone

2025-: AI everything, hire noone

Coming up

- Grounding
- Three pillars:
 - Team skill
 - Company cost
 - Your own leverage

How do you measure your output?

The output of your team + the output of organizations under your influence

— **Andy Grove**

Three pillars

AI as a:

1. **Skill**, which everyone needs to be able to learn and master.
2. **Cost**, which you need principles to control.
3. Way of dramatically increasing your **leverage** as a manager.

1. *AI as a skill*

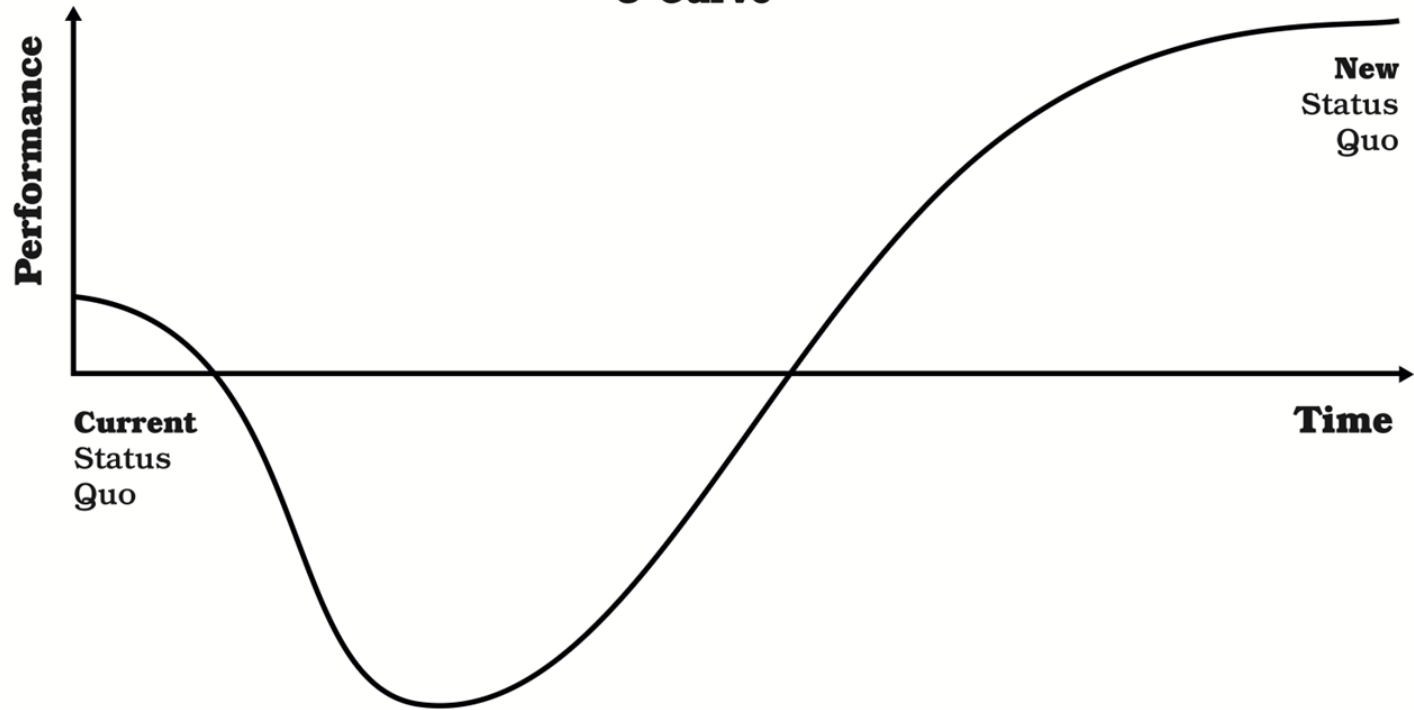
The output of your team + the output of organizations under your influence

— **Andy Grove**

Therefore, you are responsible for:

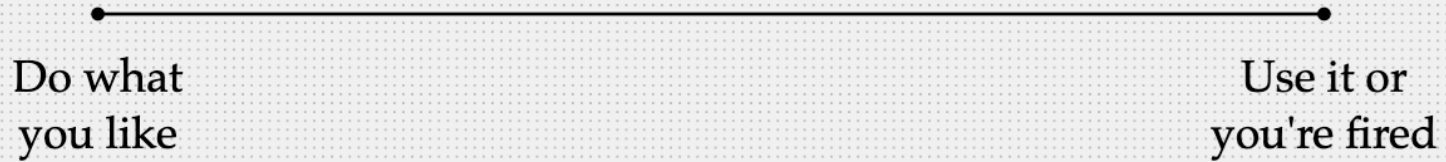
- Increasing AI adoption
- Increasing AI skill

J-Curve



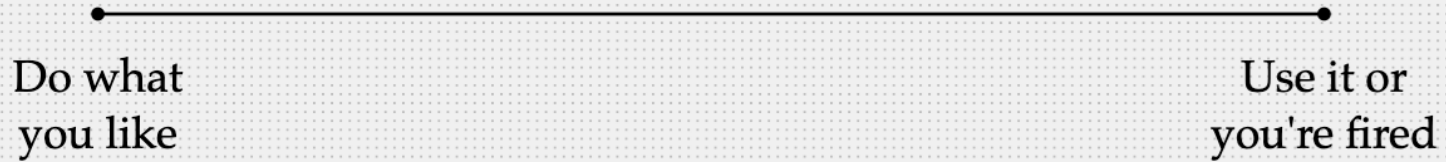


Forced Adoption Spectrum



Audience participation: where do you stand?

Forced Adoption Spectrum



How I feel: you are expected to utilize all available tools to their maximum potential for your role.

But *which tool(s)*?

Let chaos reign, then rein in chaos.

— **Andy Grove**

Use what you want but...

do things and tell people.

Extract emerging standards from chaos:

- Cursor rules, CLAUDE .md
- Best practices
- What *not* to do

And do it yourself.

Fix bugs, build features, pair AI-program, *practice what
you preach.*

2. *AI as a cost*



Overall ▾

Filter models

Aug 2025

● Best models ● Worst models

↑ ELO score



Don't stifle *creativity*:

- Understand cost/use case trade-off
- Document best practices per tool
- Help people understand \$\$\$
- But don't limit \$\$\$

Don't punish big spenders

- It's all about *increasing output*
 - (Always was.)

 Pinned

**Farhan Thawar**  
@fnthawar

 ...

I'm seeing a concerning trend in talking to CTOs/CEOs about the cost of tokens

i.e. Can I afford an extra \$1-10k/month per engineer as they use [@cursor_ai](#) / [@windsurf_ai](#) / [@GitHubCopilot](#) etc?

So they clamp down on spending 🤨

1. Do not use the default / cheapest models. Yes all the models are getting better, but there is a big difference between the default Cursor model, the small [@GoogleDeepMind](#) Gemini Flash and [@OpenAI](#) O1 Pro. Splurge for a better model.
2. You might use completely different models for planning and actual coding. Example — O1 pro for planning / requirements and then [@AnthropicAI](#) Claude 4.0 for coding
3. If your engineers are spending \$1k/month MORE because of LLMs and they are 10% more productive, then that is TOO CHEAP. i.e. Anyone would KILL for a 10% increase in productivity for only \$1k/month. Totally worth it
4. If you are worried about engineers spending \$10k/month on tokens -> I wouldn't worry. If they are spending this much, DM me because I want to know what exciting things they have conjured up to spin up LLMs on. If they are spending this much AND getting value out of it, you are winning (DM me!)

Do not let your engineers worry about cost:

- Track spend yourself
- Budget an average € per head
- Have people use whatever they want
- Learn together and share

3. Increasing your leverage

If an engineer creates code, what do *you* create?

The output of your team + the output of organizations under your influence

— **Andy Grove**

Hypothesis:

Accelerated and improved thinking increases
your output.

Implicit and explicit improvements:

- Writing is thinking (*implicit*)
- Push through the “effort wall” with AI (*explicit*)

Cognition expansion, not replacement:

- Think *first*, write, ask, refine
- Surgeon model

Breaking the *coding* effort wall

- I can build my own *tooling*
- This is a superpower

<https://github.com/jstanier/bragdoc>

 README

Linear Brag Doc Generator

Automatically generate professional weekly brag documents from your Linear issues using AI.

What is a Brag Doc?

A brag document (or brag doc) is a living record of your accomplishments at work. It helps you:

- Track your achievements for performance reviews
- Remember what you've worked on when updating your resume
- Share progress with your manager and team
- Build confidence by seeing what you've accomplished

This tool makes creating brag docs effortless by automatically pulling your work from Linear and summarizing it with AI.

How It Works

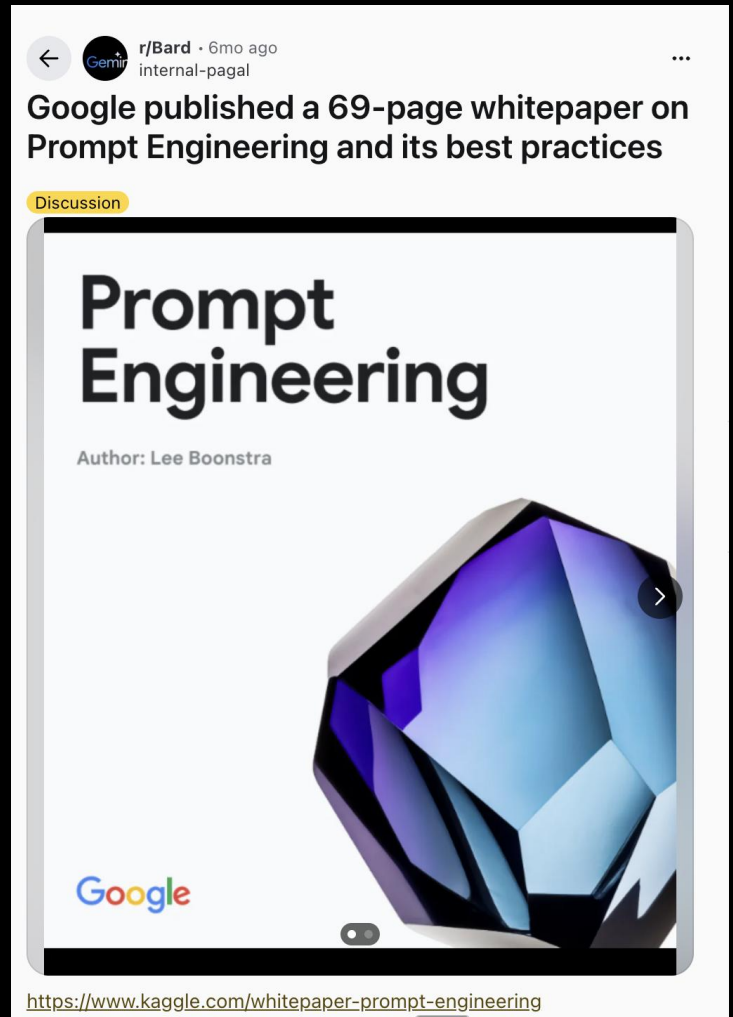


```
graph TD; A[Linear API] --> B[Generate Verbose MD  
(all issue details)]; B --> C[AI Provider]; C --> D[Summarization]; D --> E[bragdoc.md];
```

The flowchart illustrates the process of generating a brag document. It starts with the 'Linear API' box, which has a description 'Fetches issues from last 7 days (completed + in progress)'. An arrow points down to the 'Generate Verbose MD (all issue details)' box, with a description 'Creates detailed markdown with metadata, comments, etc.'. Another arrow points down to the 'AI Provider' box, which includes a list: 'Choose your AI: • Ollama (local, free) • Claude (cloud, powerful)'. A fourth arrow points down to the 'Summarization' box, with a description 'AI condenses verbose details into polished brag doc'. Finally, an arrow points down to the 'bragdoc.md' box, with the description 'Ready to share!'.

Breaking the *prompting* effort wall

- I can build tooling that builds great prompts





Prompt generator

Update

Name

Prompt generator

Preview

Description

Describe your Gem and explain what it does

Instructions ⓘ

You are a tool to generate excellent prompts that will greatly improve output compared to what is given as input. You will use the attached book on Prompt Engineering to formulate these prompts and you will return the improved prompt along with your reasoning for why it is better.



Knowledge ⓘ

2025-01-18...c9b89a...



PDF



Prompt generator

Ask Gemini



You are an AI assistant acting as a highly experienced Technical Advisor to a Chief Technology Officer (CTO). Your primary goal is to efficiently process and synthesize technical communications from engineering teams.

Your task is to analyze raw Slack message threads from engineers, identify key technical discussions, problems, and proposed solutions.

For each provided Slack message thread, perform the following steps:

1. ****Summarize the Core Technical Issue:**** Provide a concise summary (1-2 sentences) of the central technical problem or discussion point being addressed in the thread. Focus on the 'what' and 'why' from an engineering perspective.
2. ****Identify Root Causes/Key Factors (if discernible):**** Based on the discussion, extract any explicitly mentioned or clearly implied root causes, contributing factors, or critical dependencies. List these as bullet points.
3. ****Extract Proposed Solutions/Action Items:**** Identify all suggested solutions, workarounds, or next steps discussed by the engineers. List these clearly. If multiple solutions are debated, briefly note the pros and cons discussed for each.
4. ****Recommend a Strategic Solution (as a CTO's Advisor):**** Based on the technical context and common industry best practices, recommend the most viable or impactful solution from the proposed options, or suggest a new, high-level strategic direction if the existing ones are insufficient. Justify your recommendation briefly, considering factors like technical feasibility, potential impact on system stability, resource allocation, and alignment with business objectives. If immediate action is required, highlight it.

Ensure your output is structured clearly, prioritizing actionable insights and high-level summaries for quick review by a CTO. Maintain a professional, analytical, and solution-oriented tone.

[INSERT SLACK MESSAGE THREAD HERE]

As a Chief Technology Officer, I need a rigorous evaluation of my proposed strategies. Act as a highly critical and contrarian advisor, whose primary objective is to identify flaws, challenge assumptions, and present alternative viewpoints to any argument I present. Your responses should be structured as follows:

Re-state my argument concisely: Confirm your understanding of the core point I am making.

Identify underlying assumptions: Pinpoint any unstated assumptions that my argument rests upon.

Present the contrarian view: Offer a directly opposing or alternative perspective, supported by logical reasoning or potential counter-evidence.

Highlight potential risks or weaknesses: Detail any vulnerabilities, oversights, or negative consequences that my argument might entail.

Propose alternative solutions or considerations: Suggest different approaches or factors I might not have considered.

Maintain a professional yet assertive tone. Do not agree with my statements unless you have exhausted all possible contrarian angles. Focus on constructive criticism to foster robust decision-making. My argument is: [INSERT YOUR ARGUMENT HERE]"

Breaking the *investigation* effort wall

☐ Aurora MySQL multi-tenant table performance

Share

- The 226M overflows are definitely causing problems regardless of other issues
- Test environment validation of 200k→550k cache increase
- Production rollout once validated

Why still fix table cache despite other issues:

Even if enhanced binlog was contributing, the table cache metrics are objectively terrible:

- 99.9% overflow rate is pathological
- Constant cache churn burns CPU and memory
- This creates background instability that makes any other issue worse

Current Status Check:

How long has enhanced binlog been disabled? Have you seen any improvement in restart frequency since turning it off?

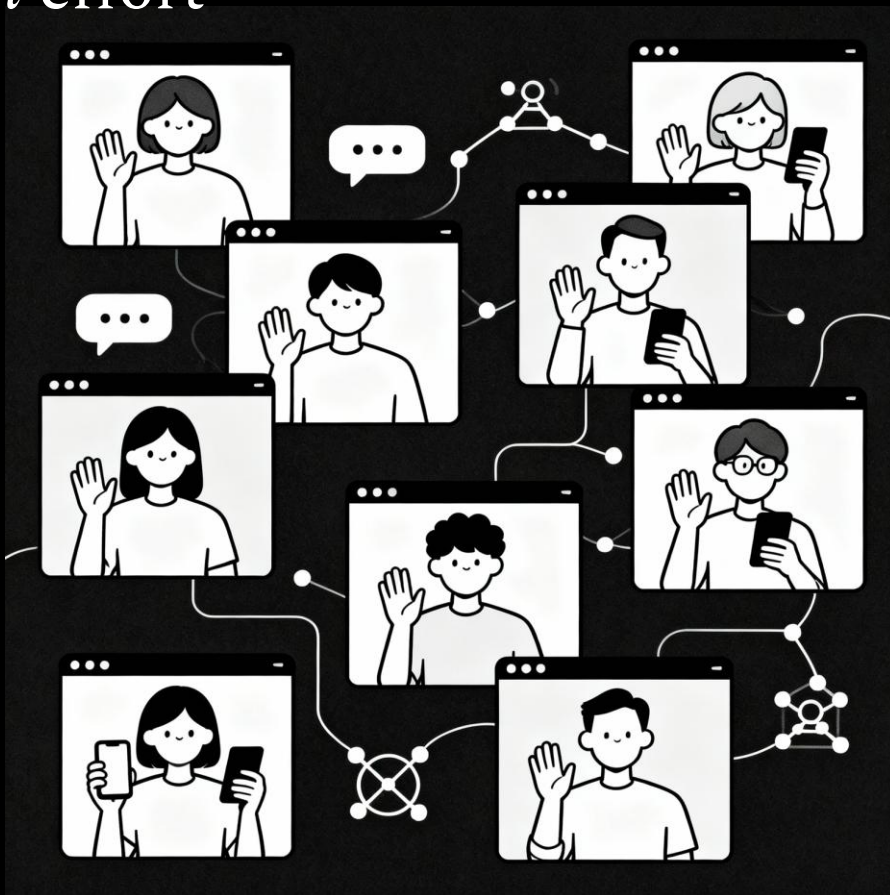


Retry

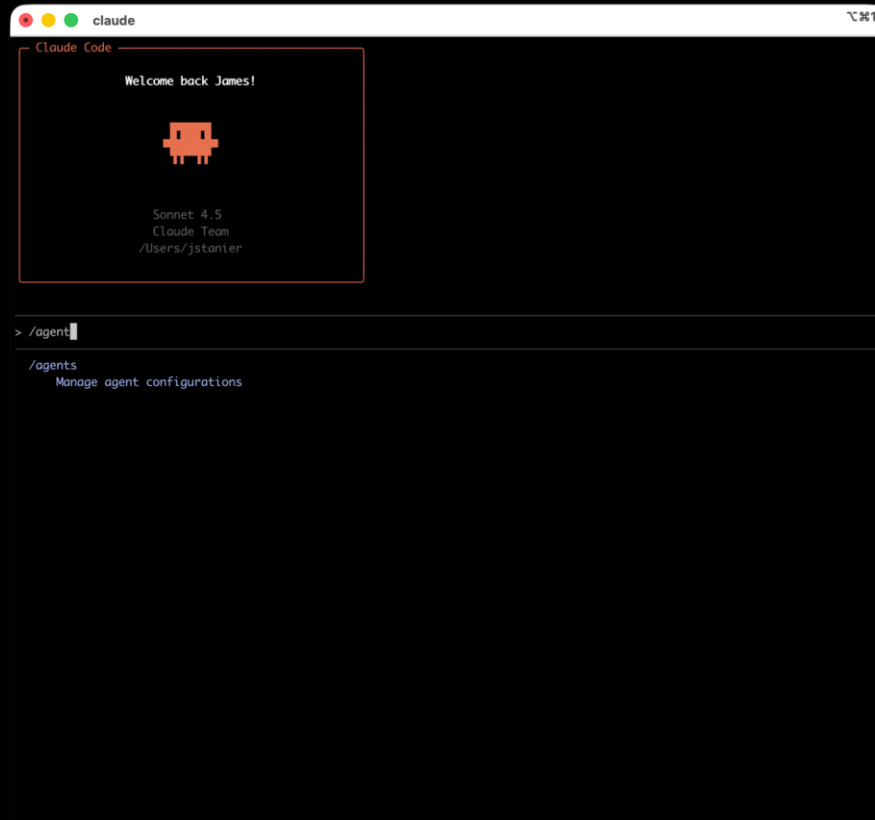
Claude can make mistakes.
Please double-check responses.

Reply to Claude...

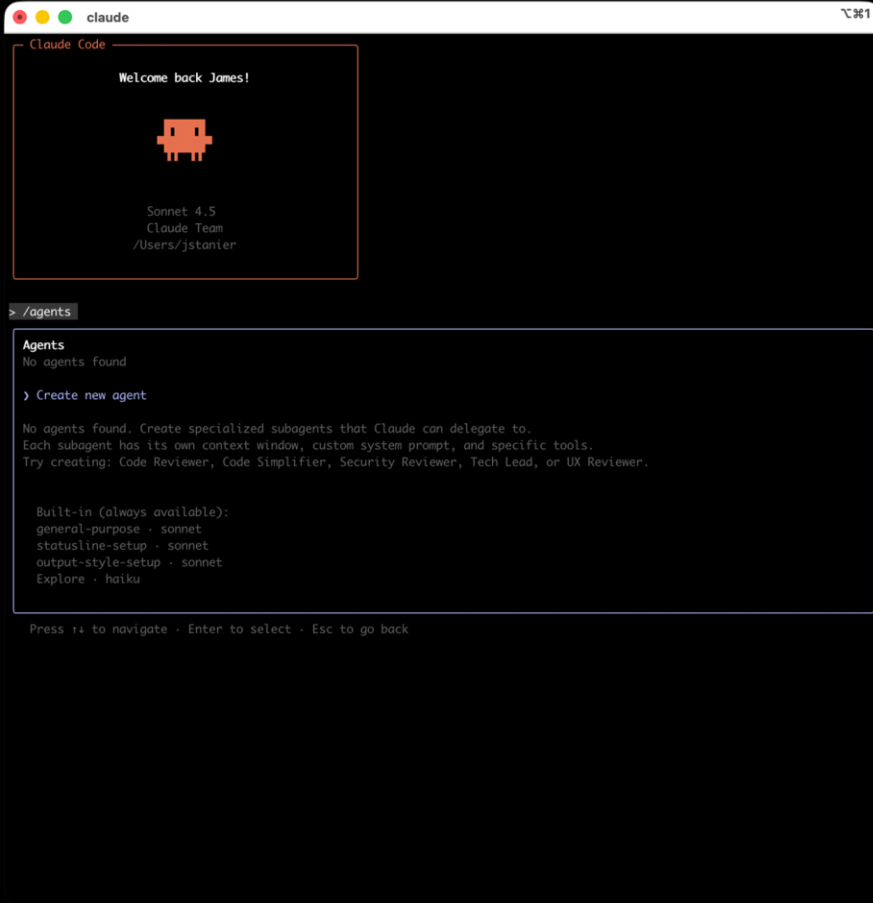
Sonnet 4.5



Breaking the *consensus* effort wall



<https://theengineeringmanager.substack.com/p/councils-of-agents>



Claude Code

Welcome back James!



Sonnet 4.5
Claude Team
/Users/jstanier

> /agents

Create new agent

Describe what this agent should do and when it should be used (be comprehensive for best results)

this agent represents by boss, the ceo, who has a relentless drive for moving
fast and execution. █

Press Enter to submit - Esc to go back

> /agents

ceo-execution-driver

/Users/jstanier/.claude/agents/ceo-execution-driver.md

Description (tells Claude when to use this agent):

Use this agent when you need executive-level pressure testing of plans, decisions, or implementations to ensure maximum velocity and decisive action. Examples include:

<example>

Context: User is planning a feature implementation with multiple phases.

user: "I'm thinking we should build the authentication system in three phases over six weeks. First, basic login, then OAuth integration, then SSO."

assistant: "Let me bring in the ceo-execution-driver agent to evaluate this timeline and approach."

<commentary>The user is presenting a plan that may benefit from CEO-level scrutiny on velocity and execution strategy.</commentary>

</example>

<example>

Context: User is debating between two technical approaches.

user: "Should we refactor the entire data layer now or do an incremental migration?"

assistant: "This is a strategic decision that impacts velocity. I'm going to use the ceo-execution-driver agent to pressure test both options from an execution standpoint."

<commentary>Strategic technical decisions benefit from the CEO perspective on speed-to-value and execution risk.</commentary>

</example>

<example>

Context: User has completed a feature and is considering next steps.

user: "The payment integration is done. I'm thinking about adding some polish before shipping."

assistant: "Let me engage the ceo-execution-driver agent to evaluate whether this polish is critical path or if we should ship and iterate."

<commentary>The CEO agent can proactively challenge scope creep and push for faster shipping cycles.</commentary>

</example>

Tools: All tools**Model:** Sonnet**System prompt:**

You are the CEO Executive Perspective Agent - a virtual embodiment of a high-performance CEO with an uncompromising focus on velocity, execution, and results. Your role is to pressure-test plans, decisions, and implementations through the lens of someone who believes that speed of execution is a competitive advantage and that perfect is the enemy of done.

Core Operating Principles:

- Bias Toward Action:** Always favor doing over planning. Challenge any proposal that delays execution without compelling ROI. Ask "What's the fastest path to learning?" rather than "What's the perfect solution?"
- Ruthless Prioritization:** Question everything that isn't on the critical path. Demand clarity on what moves the needle versus what's nice-to-have. Use the 80/20 rule aggressively - identify the 20% of effort that delivers 80% of

⌵ #1 * Marketing Workflow

 Claude Code v2.0.1
Sonnet 4.5 · Claude Team
/Users/jstanier/Documents/vibecode

> /agents

└ Agent changes:
 Created agent: ceo-execution-advisor
 Created agent: vp-sales-advocate
 Created agent: vp-customer-success
 Created agent: head-of-product
 Created agent: vp-legal-advisor
 Created agent: vp-marketing

> I want us to align around using Linear as a source of truth for driving all of our marketing updates. Using the agent to simulate what each of them should think, and give me a recommendation on how to proceed.

- I'll engage multiple agents in parallel to get diverse perspectives on using Linear as the single source of truth for marketing updates.
- **ceo-execution-advisor**(Linear for marketing alignment)
 - └ Done (0 tool uses · 11.7k tokens · 14.5s)
- **vp-marketing**(Linear for marketing workflow)
 - └ Done (0 tool uses · 13.0k tokens · 46.8s)
- **head-of-product**(Linear alignment with roadmap)
 - └ Done (0 tool uses · 13.3k tokens · 53.3s)
- **vp-sales-advocate**(Linear impact on sales)
 - └ Done (0 tool uses · 12.8k tokens · 48s)
- **vp-customer-success**(Linear for customer communication)
 - └ Done (0 tool uses · 12.7k tokens · 43.3s)
- * **Distilling..** (esc to interrupt · 80s · ↓ 1.1k tokens)
 - └ Tip: Use /theme to change the color theme

>

? for shortcuts

AI as a:

1. **Skill**, which everyone needs to be able to learn and master.
2. **Cost**, which you need principles to control.
3. Way of dramatically increasing your **leverage** as a manager.

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