



LEAN  
TECHNIQUES

# Prompt Like a Pro:

## Aligning AI for Your Codebase

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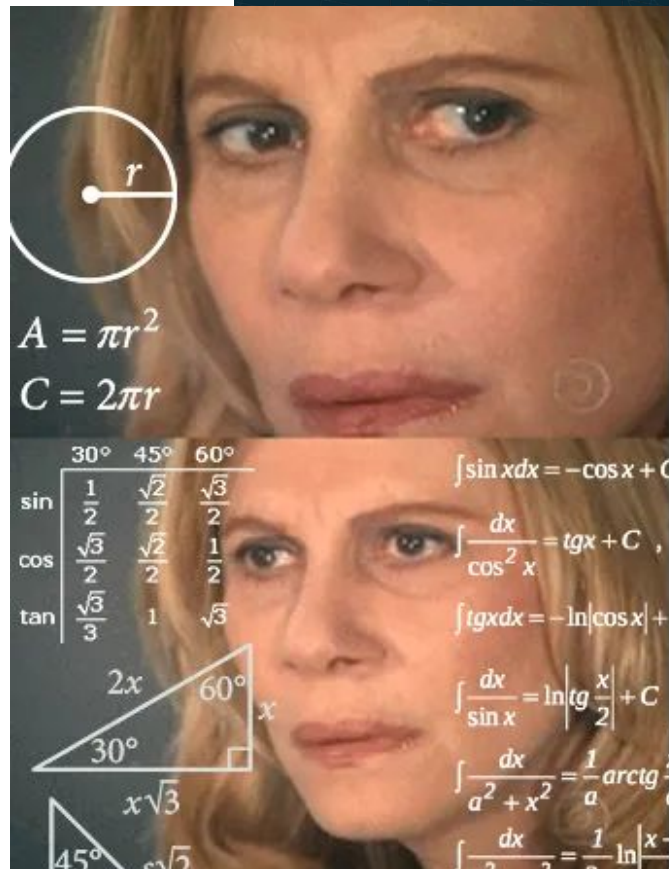
## What problem are we solving?

"It's trained on everything — so it should just work, right?"

- domain logic or naming conventions
- framework choices, architecture, or shortcuts
- team's style decisions

### Enterprise environments:

- Decade-old codebases
- Legacy systems,
- proprietary frameworks
- monorepos with hundreds of shared utilities
- compliance walls and security constraints that block external tools (like LLMs)
- Internal libraries and APIs that no LLM has ever seen



**Generic AI doesn't just miss best practices  
— it generates incorrect or unsafe code  
confidently because it assumes a “default”  
JavaScript world.**



Why?

## What you actually want is an AI that:

- Uses your naming and folder structure
- Writes code that compiles in your environment
- Follows your test strategy (Jest? Cypress? RTL?)
- Avoids patterns you've deprecated
- Understands your business logic enough to make helpful suggestions





**The real power of AI for developers isn't in  
code generation — it's in code alignment.**



🧠 “Think of it like onboarding a new dev... but they remember everything”

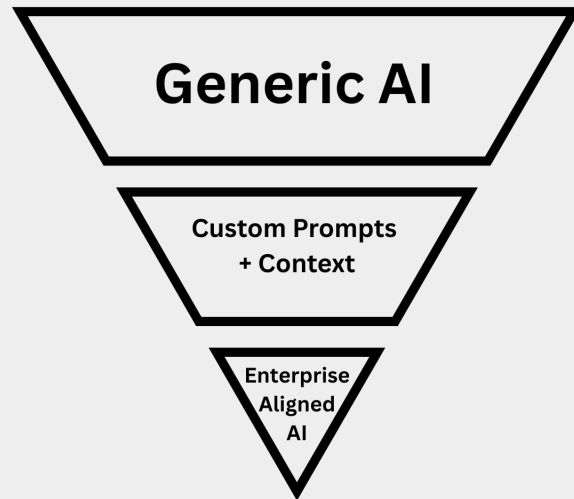
How?

## How do we get there?

You don't need faster code generation — you need aligned code, generated fast.

We can tune their behavior through:

- Custom GPTs (ChatGPT)
- IDE-integrated workflows

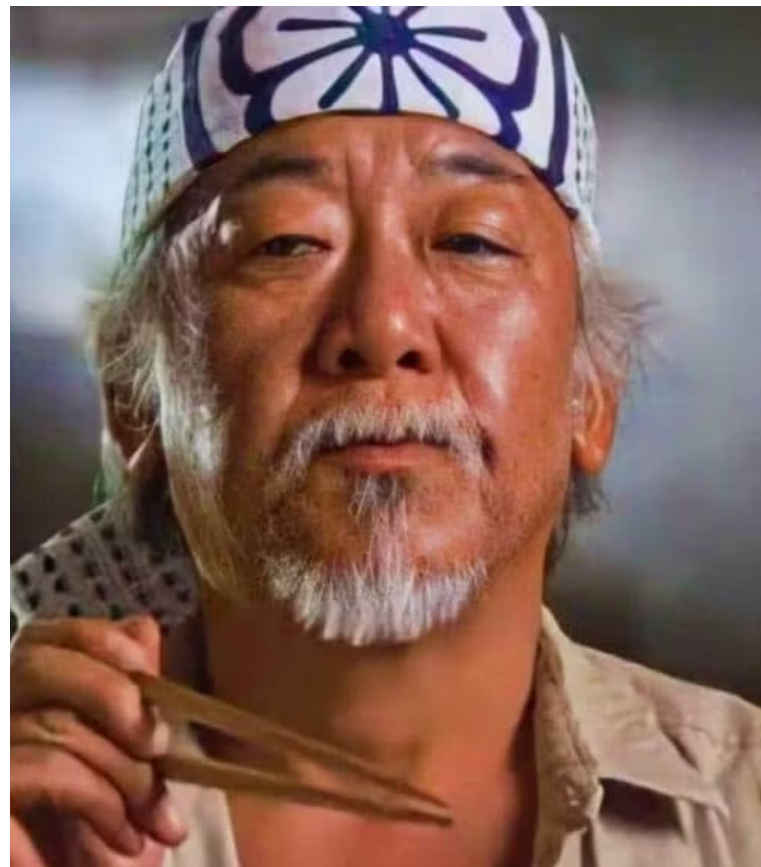


## What to Provide Your AI — and How to Format It

**Garbage in, garbage out. Good AI starts with great context.**

Give it context like you would a new teammate

- Code style & conventions
- Architecture & folder structure
- Real-world component examples
- Testing strategy
- Domain logic & workflows
- Anti-patterns to avoid



## Custom GPTs

A Custom GPT is a purpose-built AI inside ChatGPT that you can tailor to your development standards.

You can customize it with:

- Behavior (via instructions)
- Knowledge (via uploaded files)
- Tools (via function access)



Demo: [chatgpt.com/gpts](https://chatgpt.com/gpts)

## GPTs

Discover and create custom versions of ChatGPT that combine instructions, extra knowledge, and any combination of skills.

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#### image generator

A GPT specialized in generating and refining images with a mix of professional and friendly tone.image generator  
By NAIF J ALDITAIBI



**That's cool and all... But I can't use Chat  
GPT at my client.**





How?

## IDE's to the rescue!

Most modern IDE's now have LLM support.

### Cursor:

- Automatic context support.
- Agentic workflows
- May not be allowed at your client.

### VS Code:

- .github/copilot-instructions.md — define codegen, testing, review, PR formatting
- Create prompt files (.github/prompts/) for repeatable tasks (scaffold components, review code, etc.)

### WebStorm (intellij):

- “Rich” context support (e.g., across open files, structure-aware)
- Built-in prompt library (similar to VS Code’s custom prompt files)

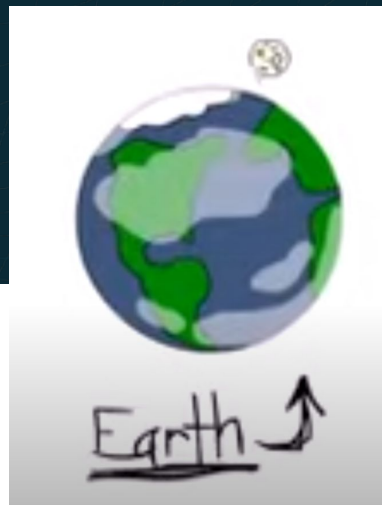


Check with your client to see what models are allowed!

Deere for example has a model availability listing.

## Recap: Making AI Work in the Real World

- Generic AI is powerful — but blind to your architecture, conventions, and goals
  - Custom GPTs & IDE instructions let you teach AI to think like your team
  - The real value isn't speed — it's alignment: review-ready, consistent, on-brand code
  - Tools like ChatGPT, Copilot, Cody, and WebStorm AI can all be tuned
- Provide context: style guides, architecture, component examples, anti-patterns
  - Onboard it like a new dev — examples beat explanations every time
  - You don't need to fine-tune models — just fine-tune prompts and your environment
  - Start small: refactor a function, write a test, scaffold a PR — then scale from there





# Questions?

(yes, AI helped write this)



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