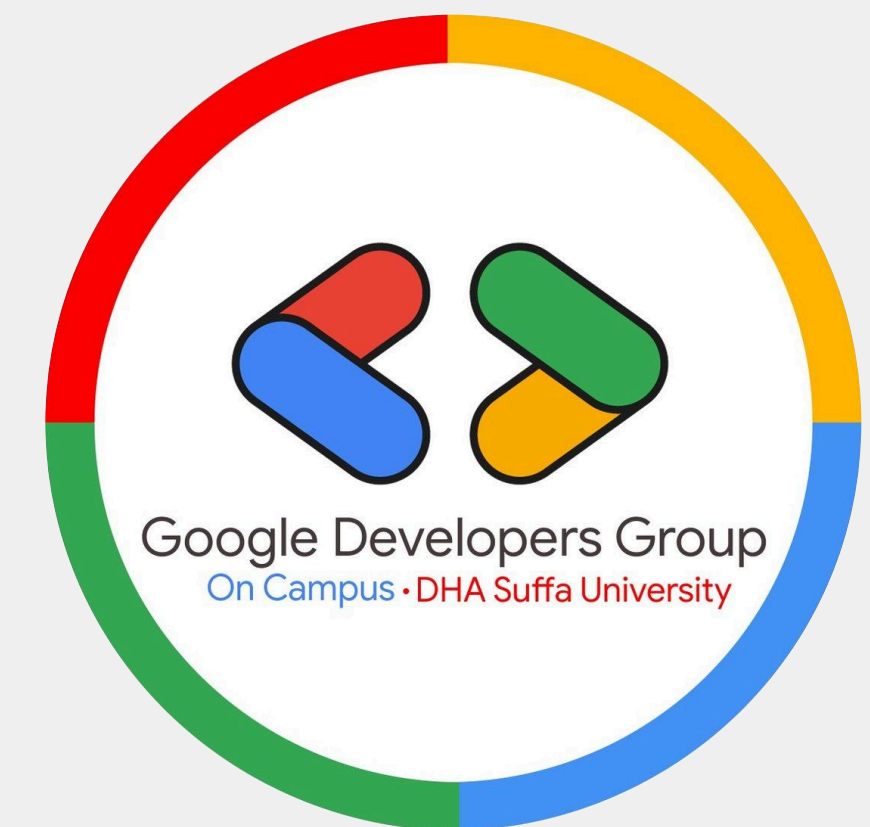


Cursor, Codex & Antigravity

By Muhammad Huzaiifa Shahbaz

mhuzaifa.com/buildwithai-dhasuffa



I hope ChatGPT or Gemini would know me 🙏

M. Huzaiifa Shahbaz

AI Software Engineer @ Swift Dynamics
4 Years Professionally in the Industry

- I was also once GDSC Lead in 2020 (now GDGoC)
- I organized and mentored on 100 workshops on AI in 120 days in 2020-2021
- My start of career was from a startup in Silicon valley, it paid me more than the average job in Pakistan :D
- I dropped out Pilot License after 10 flying hours



About Me

The Uncomfortable Truth

Developer A

3 hrs

Paste code. Accepts diff blindly, and then debug for 2 hours.

Vibe Coding

Developer B

18 mins

Understand context windows. Write precise prompts. Reviews the plan before implementation.

AI Assisted Development

You drive. AI co-pilots.



Cursor

Synchronous
AI IDE

*file a task, get a PR,
full control*



Codex

All Purpose Async
Cloud Agent

*Plan first,
execute second*



Antigravity

Async Reasoning
Agent



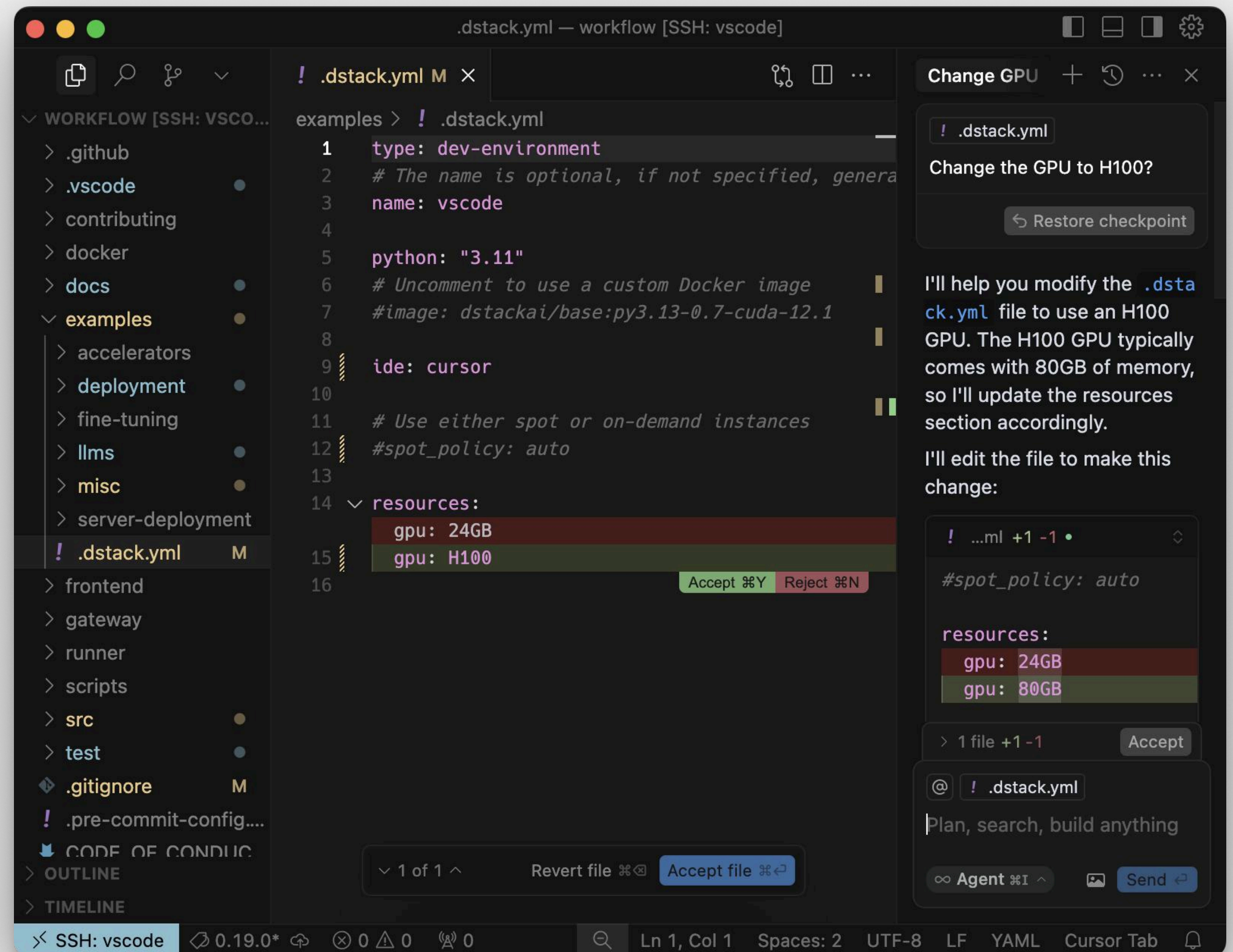
CURSOR

cursor.com

Plan starts \$20/m

AI first IDE built on the top of VS Code

- Best contextual grepping
- On demand multi model API usage
- Robust MCP utilization
- Supports all VS Code native features and extensions
- Executes and maintain entire codebase in sandboxed environment (RAM)



Activity 01



Create a professionally structured FastAPI boilerplate

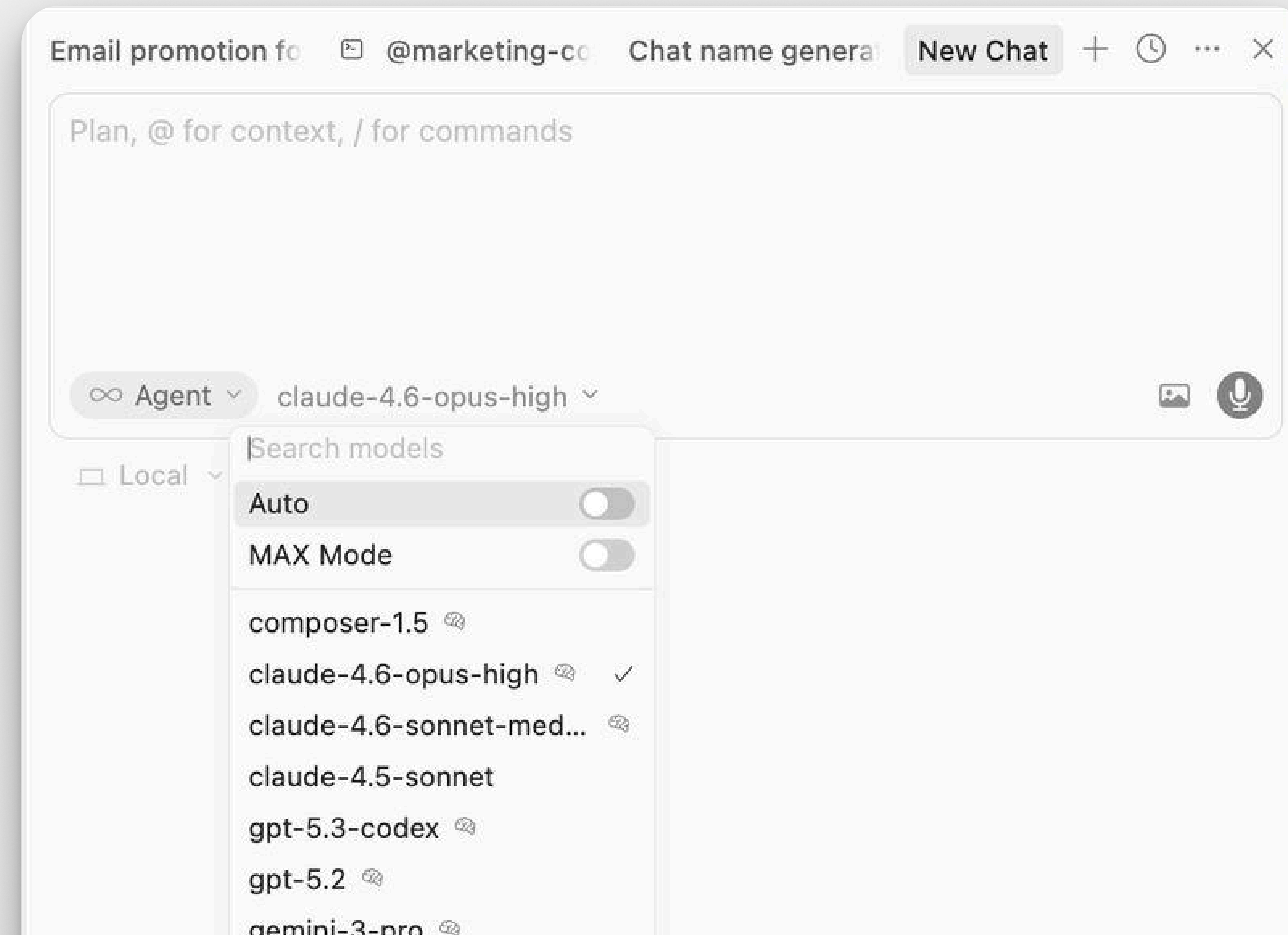
Plan, Agent & Debug

Layered `.cursorrules`

Context-Aware Autocomplete Demo

@Codebase Chat Ask Cursor:

Inline **Ctrl/CMD+K**



Activity 02



Connect tools to Cursor via MCP

Do things differently



"Fetch the FastAPI docs page for OAuth2 and summarize the key patterns I should implement in our boilerplate."



"Navigate to our local FastAPI app at localhost:8000/docs, take a screenshot of the Swagger UI, then fill in the POST /users form with test data and submit it."



Try something on the runtime or at home, it's gonna be fun!





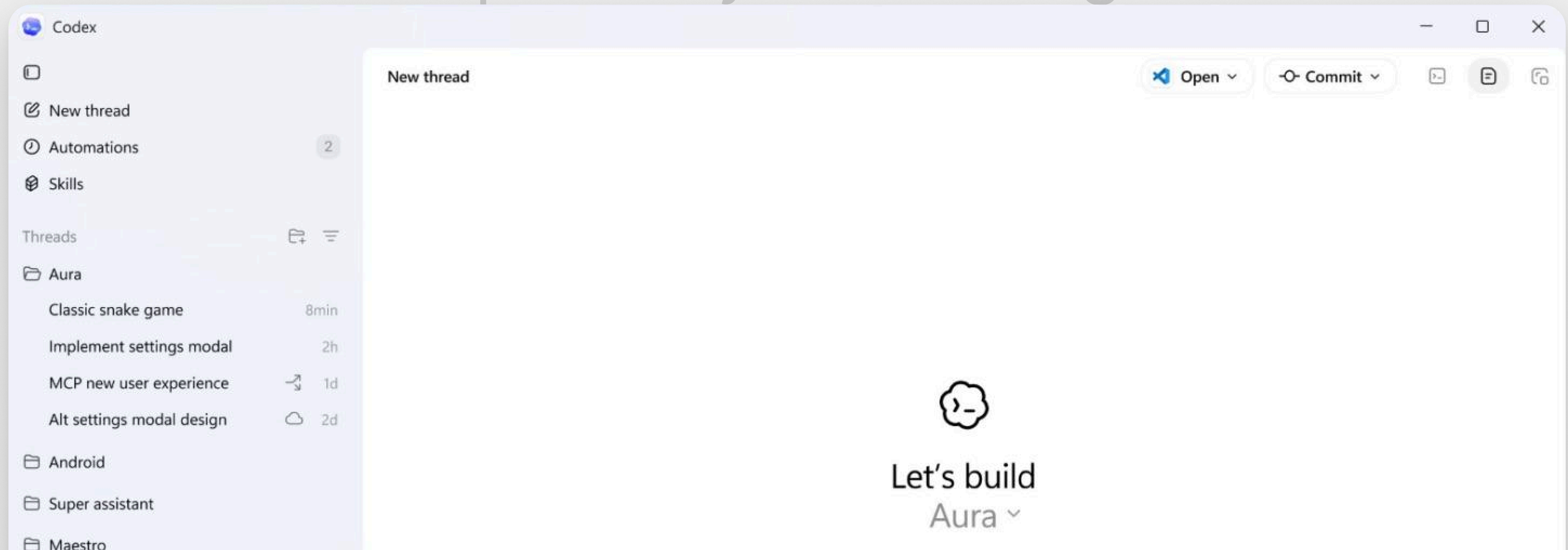
Codex

By OpenAI

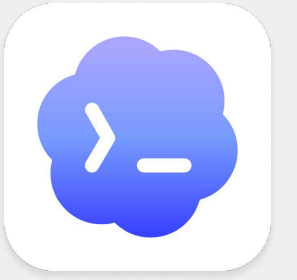
openai.com/codex

Plan Starts \$5/m

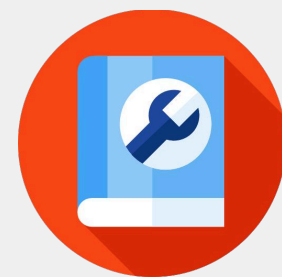
All Purpose Async Cloud Agent



Activity 03



Create a FastAPI backend for any product idea



Put detailed instructions into **Agents.md**

```
# AGENTS.md
## Project: FastAPI Boilerplate
- Always run `pytest` after any file change
- Use pydantic v2 syntax only
- All routes must have docstrings
- Never install new packages without asking
- API responses must follow JSend spec
```



Parallel Agents + Worktrees

```
Thread 1:
"Add JWT authentication to the
FastAPI boilerplate"

Thread 2:
"Add a rate limiter middleware"
```



Agentic Automation

**Use Codex to interact with
computer file system**

*macOS

llm-gemini — Implementation Plan

Open Agent Manager

test_thinking_level_unit.py U

Review

Support thinking_level for Gemini 3 Pro

llm-gemini plugin to support the new thinking_level parameter in the Gemini 3 Pro Preview model, replacing the existing thinking_budget mechanism.

will no longer support thinking_budget. It will use thinking_level (or "high") instead.

Implement thinking_level support

I am implementing the thinking_level support in llm_gemini.py as per the approved plan.

Files Edited

- llm_gemini.py

Progress Updates

- 1 Modifying llm_gemini.py

Generating.

Review Changes

Ask anything (⌘L), @ to mention, / for workflows

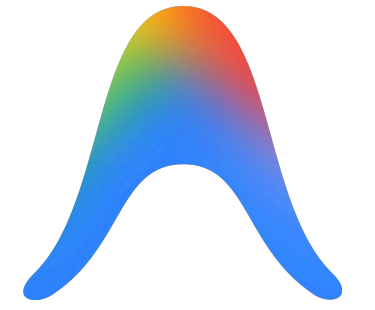
Antigravity - Settings



antigravity.google
Freemium

Async Reasoning Multi
Agent Composer

Activity 04



Don't touch the editor. Open Manager View first.
Dispatch three agents simultaneously on the FastAPI project:

Agent 1: "Implement the users CRUD endpoints"

Agent 2: "Write pytest tests for all existing routes"

Agent 3: "Research and document the best auth library for this stack"

*** Antigravity's most unique concept, found nowhere else**

Every agent produces Artifacts before, during, and after every task.
These aren't logs. They're structured, reviewable deliverables.



Final Activity

SHIP IT

LinkedIn



[/in/mhuzaifadev](https://www.linkedin.com/in/mhuzaifadev)

Instagram



[@MHUZAIFADEV](https://www.instagram.com/MHUZAIFADEV)

GitHub



[mhuzaifadev](https://github.com/mhuzaifadev)

Let's build something, and post on LinkedIn