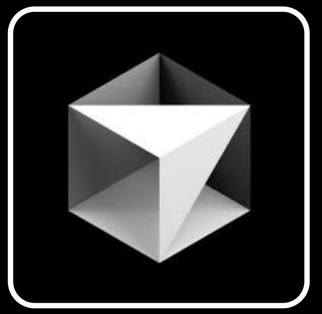
Cursor AI For Advanced Users

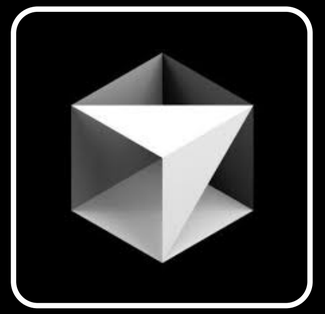
L-17

Advanced Agentic Prompt



Overview

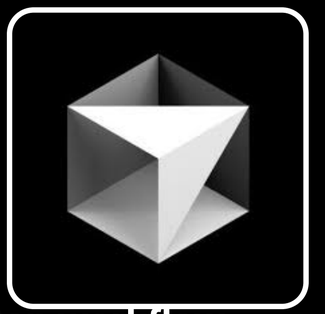
- Agentic workflows let the AI act like an autonomous teammate - not just a tool
- Instead of doing one task at a time, the AI executes an entire sequence of actions
- You define the goal → AI follows your steps → You get an end-to-end result
- This is the future of AI-assisted development - moving from task execution to directing



Agentic Workflow

- A structured multi-step process executed by the AI
- Each step is predefined, ordered and conditional
- Workflow
  - Goal: The final outcome (deploy app)
  - A set of actions: Step-by-step tasks
  - Conditional logic: What to do if something fails
- It’s like writing a script that the AI performs like a pipeline

Prompt:



Act as an experienced DevOps specialist

Your task is to prepare our flask-based BlogForge app for deployment by executing a structured step-by-step workflow
If any step encounters an error, pause the process and report the issue clearly before continuing

Workflow:

1. Run tests: Execute the full test suite using pytest in the terminal. If any tests fail, stop the workflow and display the error summary
2. Freeze dependencies: Once tests passed successfully, regenerate the requirements.txt file by running pip freeze > requirements.txt
3. Build Dockerfile: Create a new Dockerfile in the root directory with the following specifications
    a. Use the official python:3.13-slim package
    b. Setup a working directory inside the container
    c. Copy requirements.txt and install dependencies
    d. Copy the rest of the application code
    e. Expose port 5000
    f. Define the startup command to run the app
4. Generate deployment script: Create a new script named deploy.sh that automates the following:
    a. Build the Docker image
    b. Run a new container from the image

Each step should be executed sequentially, with clear validation between stages