

agent native

marcelo chaman mallqui

environments

founding design engineer



Joined 363 Days Ago

Usage

Top 0.4%

Models

1 Composer 1

2 Claude 4 Sonnet

3 Claude 4.5 Sonnet

Agents

2.9K

Tabs

98.5K

Tokens

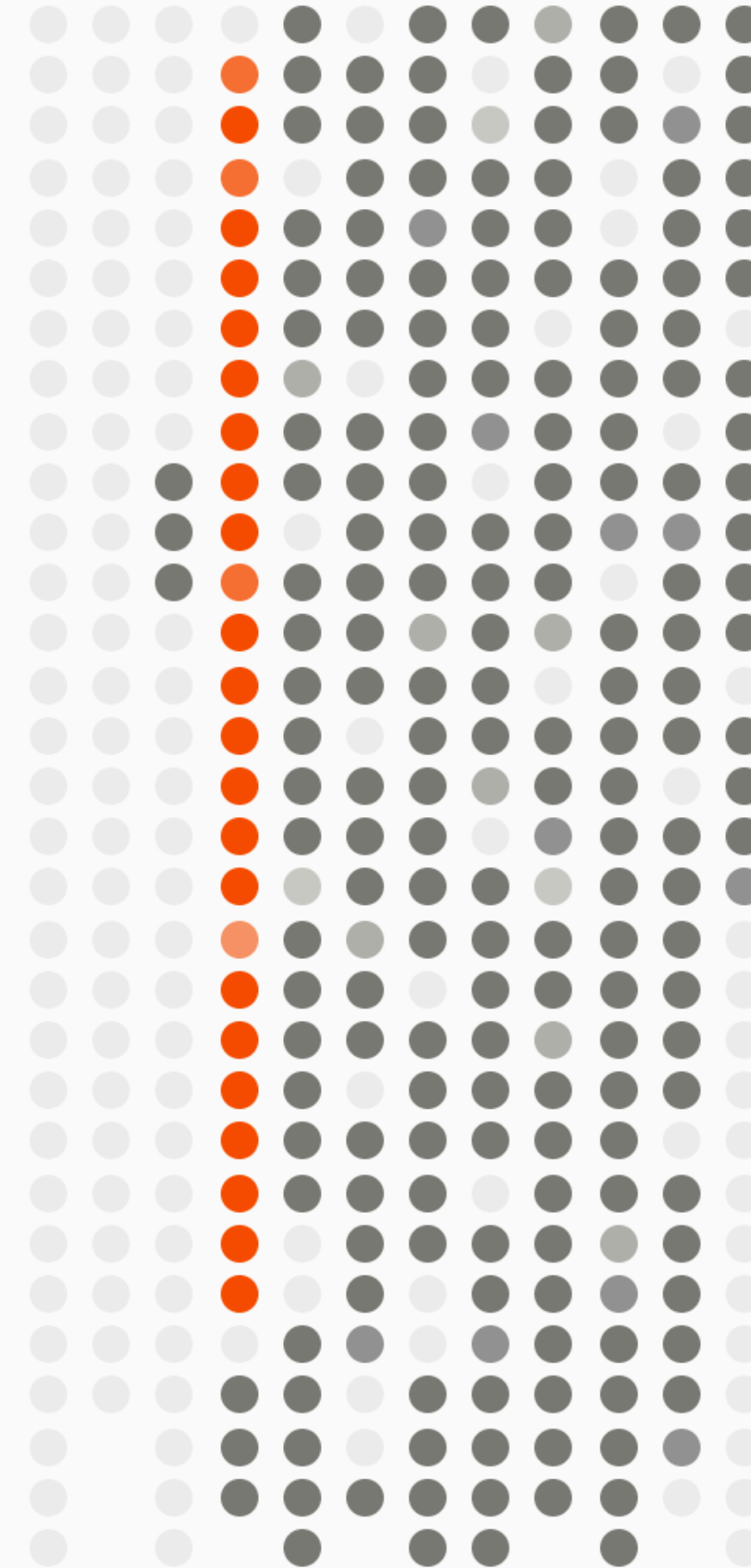
1.45B

Streak

25d



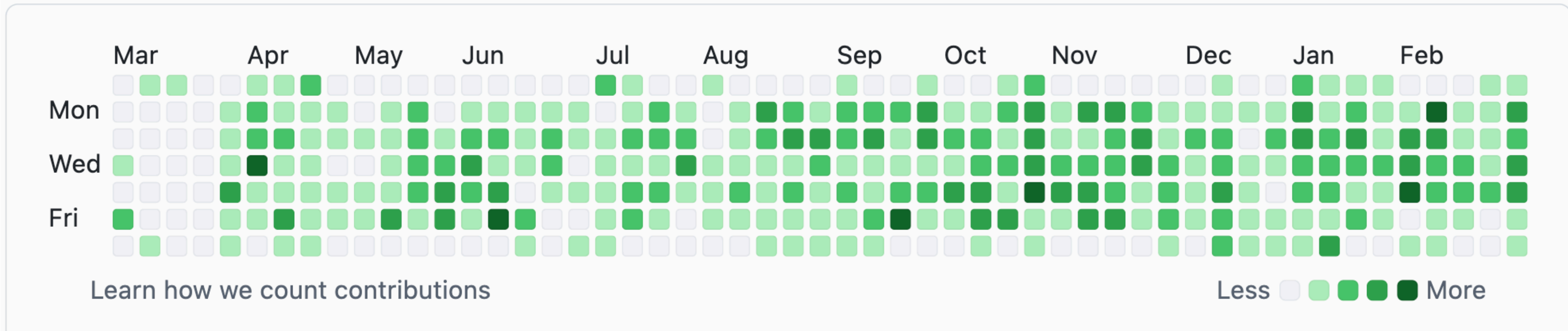
cursor.com/2025



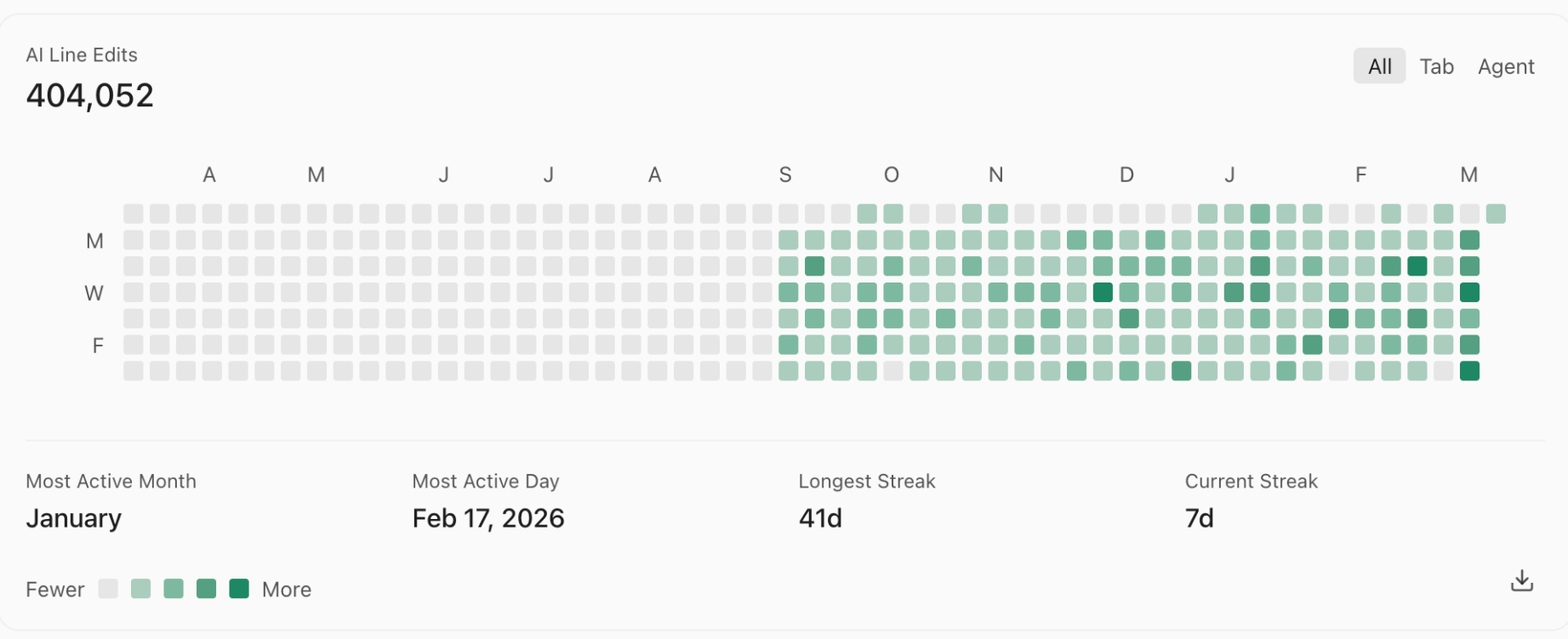
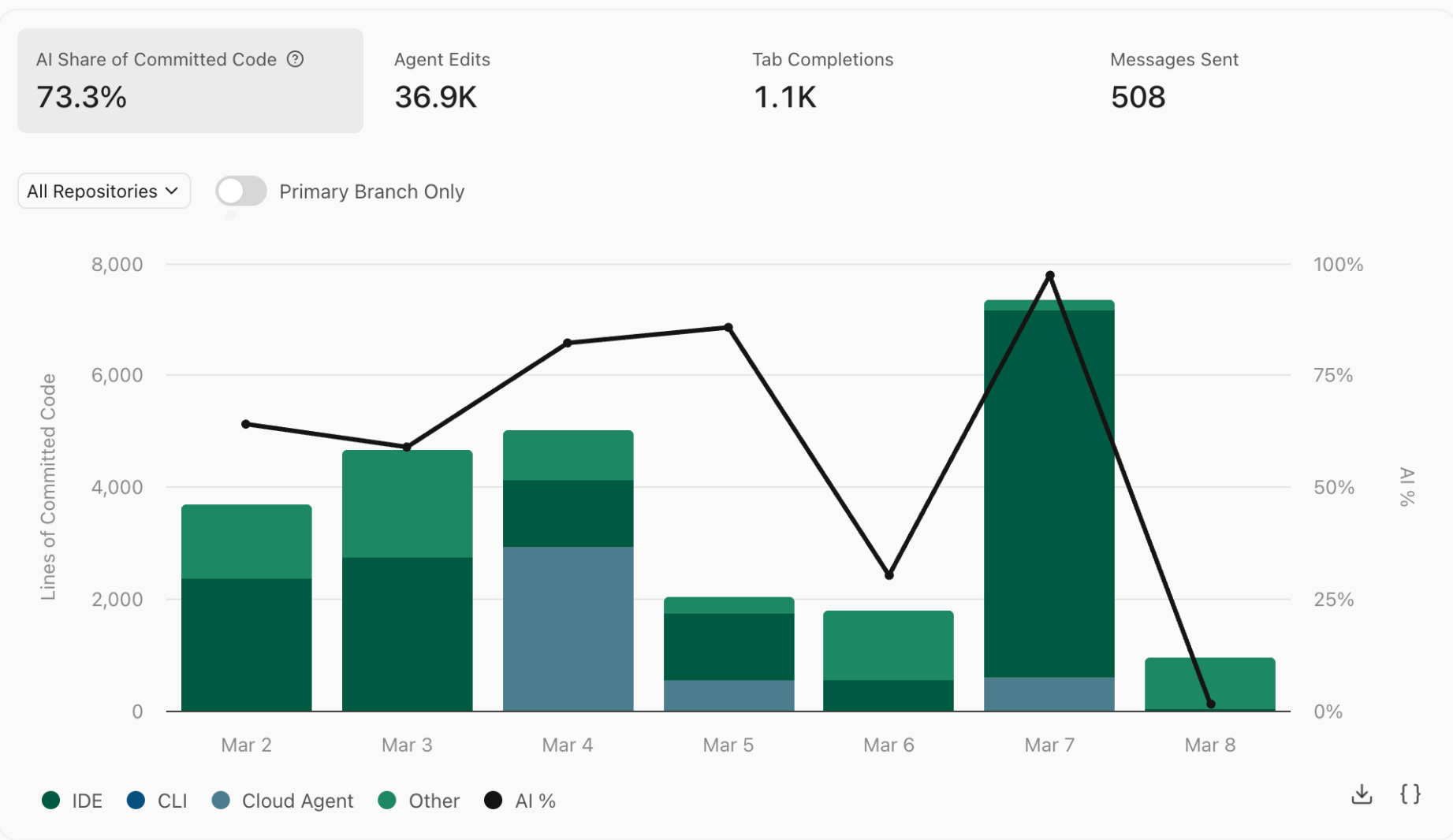
agent native environments

2,244 contributions in the last year

Contribution settings ▾



agent native environments



agent native environments

im incredibly AI-pilled

agent native environments

Opus 4.6 oneshotting a task

Codebase A

terrible

Codebase B

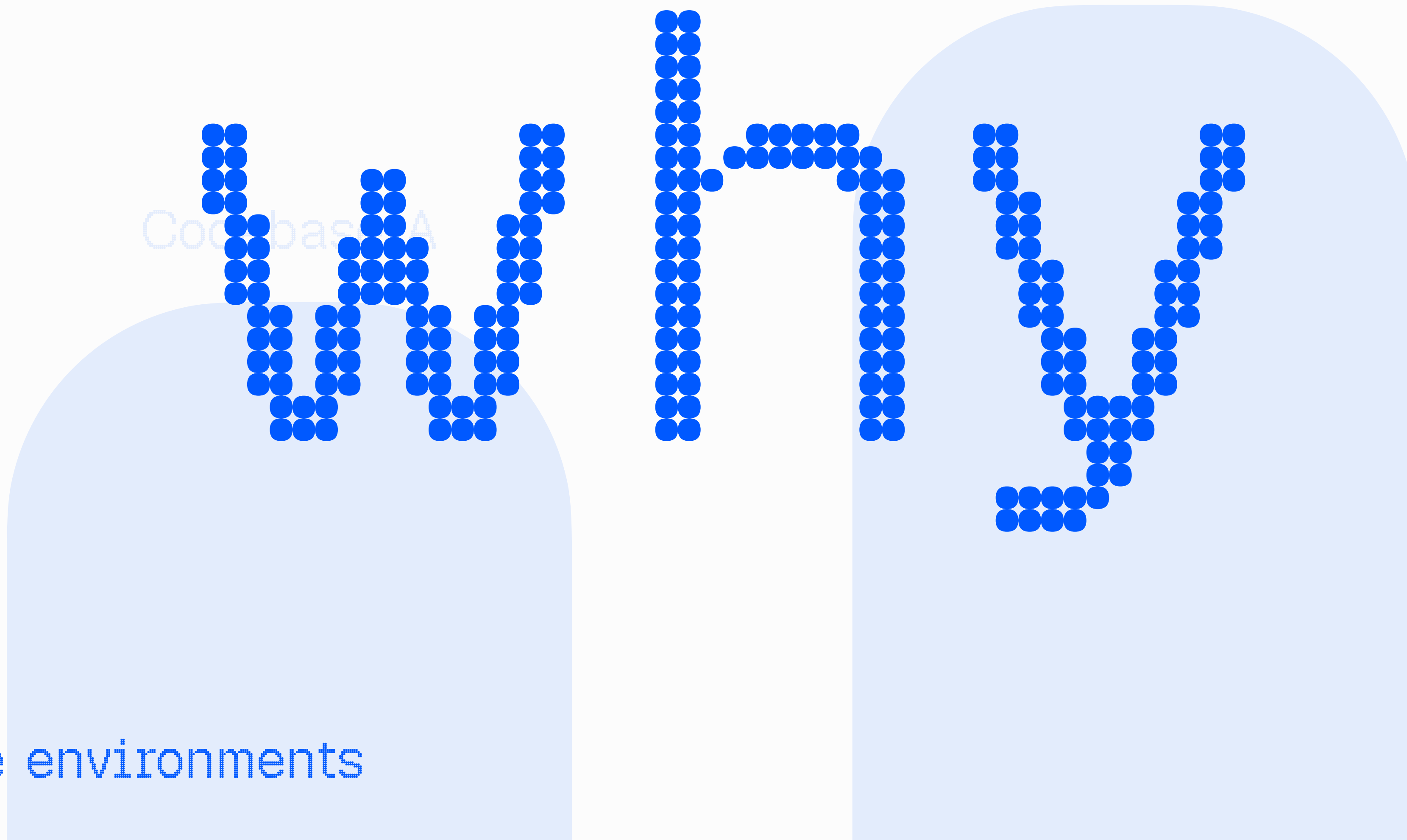
ready to merge

Opus 4.6 oneshotting a task

Codebase B

Codebase A

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role: ai agent
'add likes to posts.'

A

```
/src  
  api.ts  
  api2.ts  
  api_new.ts  
  helpers.ts  
  helpers_old.ts  
  utils.ts  
  posts.ts  
  postUtils.ts  
  db.ts  
  db_helpers.ts
```

B

```
/src  
  api.ts  
  api_v2.ts  
  handlers.ts  
  helpers.ts  
  utils.ts  
  postStuff.ts  
  db_helpers.ts  
  newPostLogic.ts  
  tempFix.ts
```

C

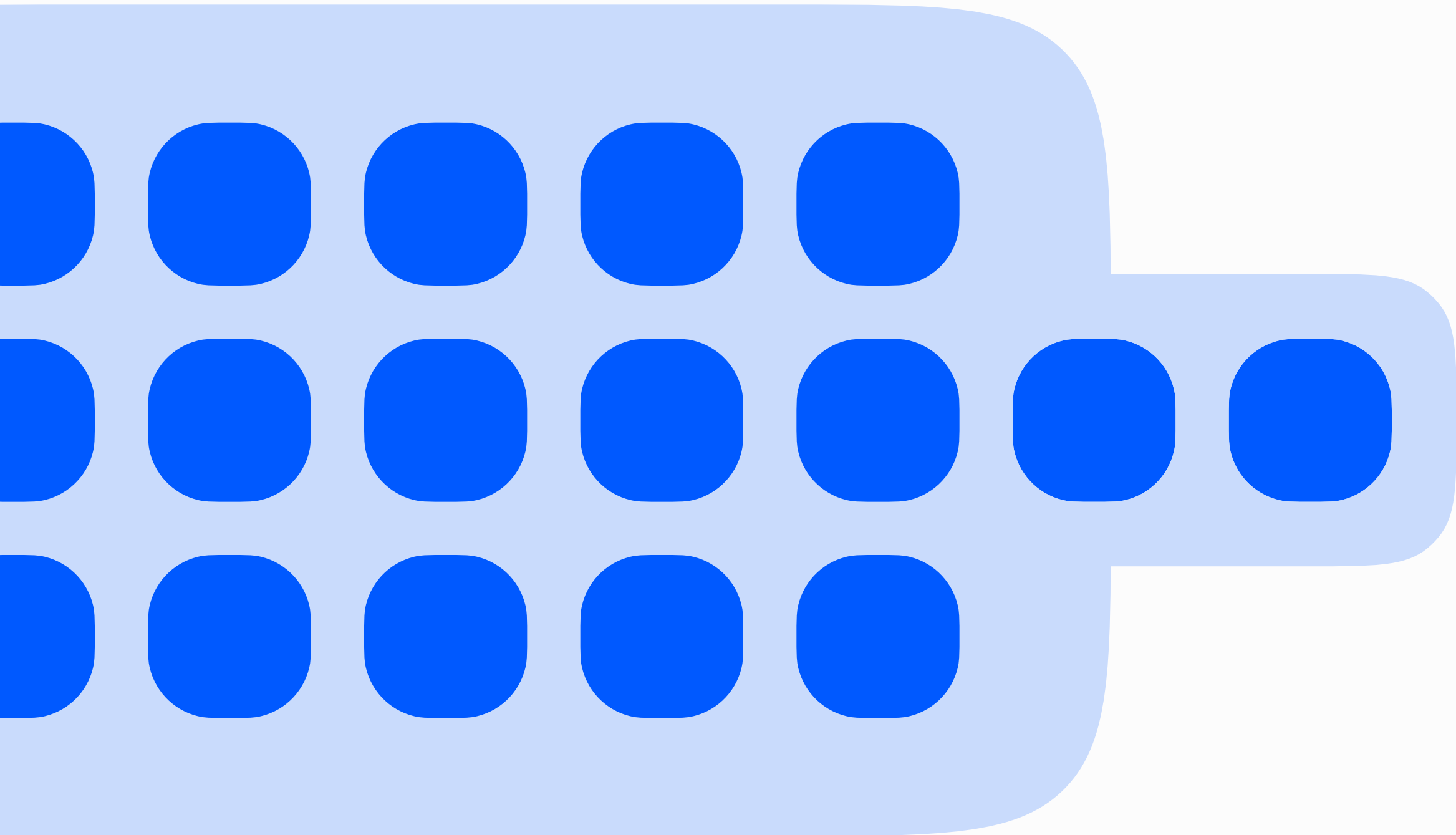
```
/api  
  posts.ts  
  users.ts  
/services  
  postService.ts  
  userService.ts  
/models  
  Post.ts  
  User.ts  
/tests  
  post.test.ts  
  user.test.ts
```

agents amplify patterns
they don't invent architecture.

agent native environments

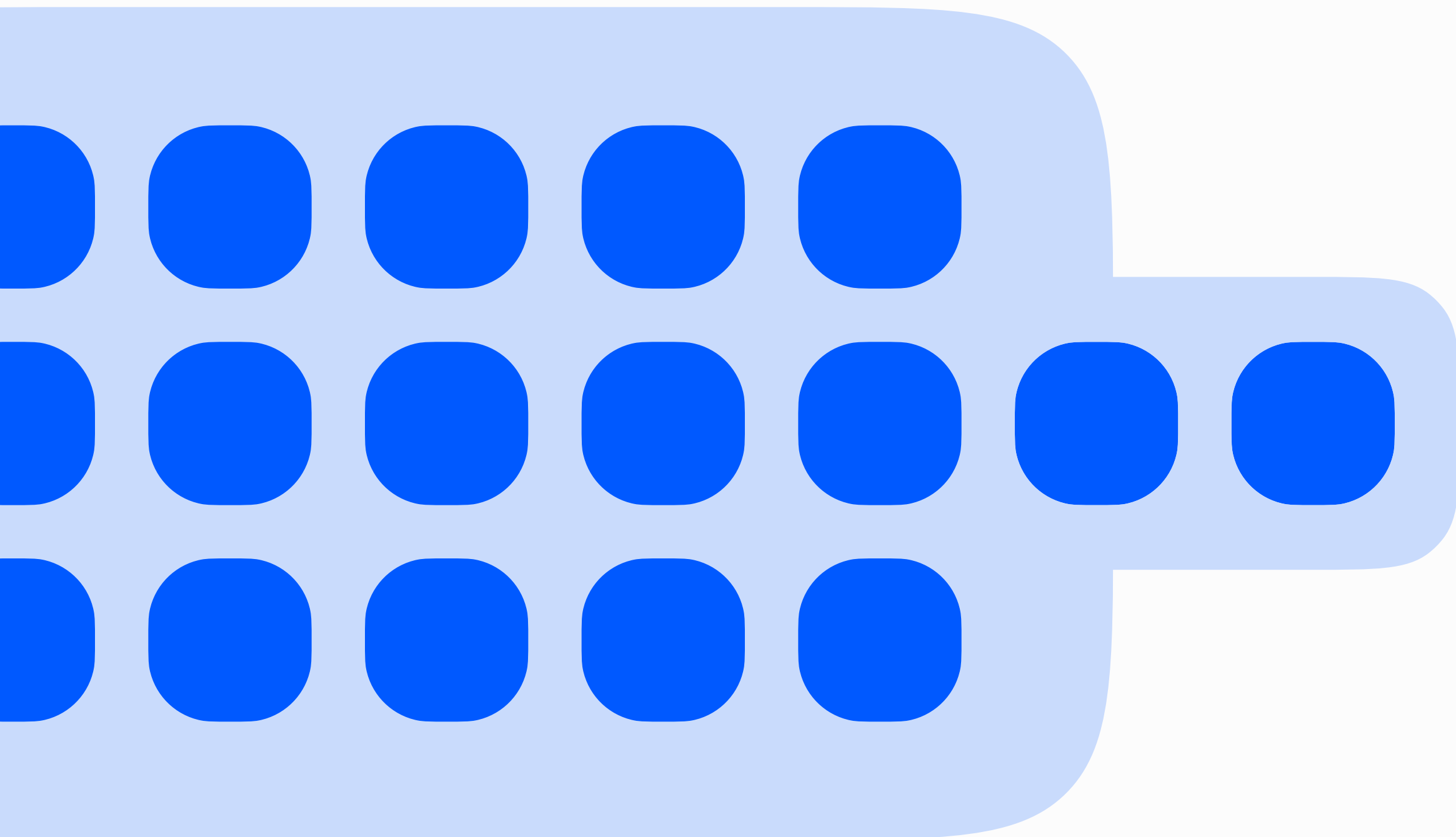
humans tolerate chaos
agents don't

agent native environments



trust

agent native environments



The real blocker isn't generation.

It's verification.

Engineers don't trust the output.

design environments
for agents



$$E = (C, S, V, D)$$

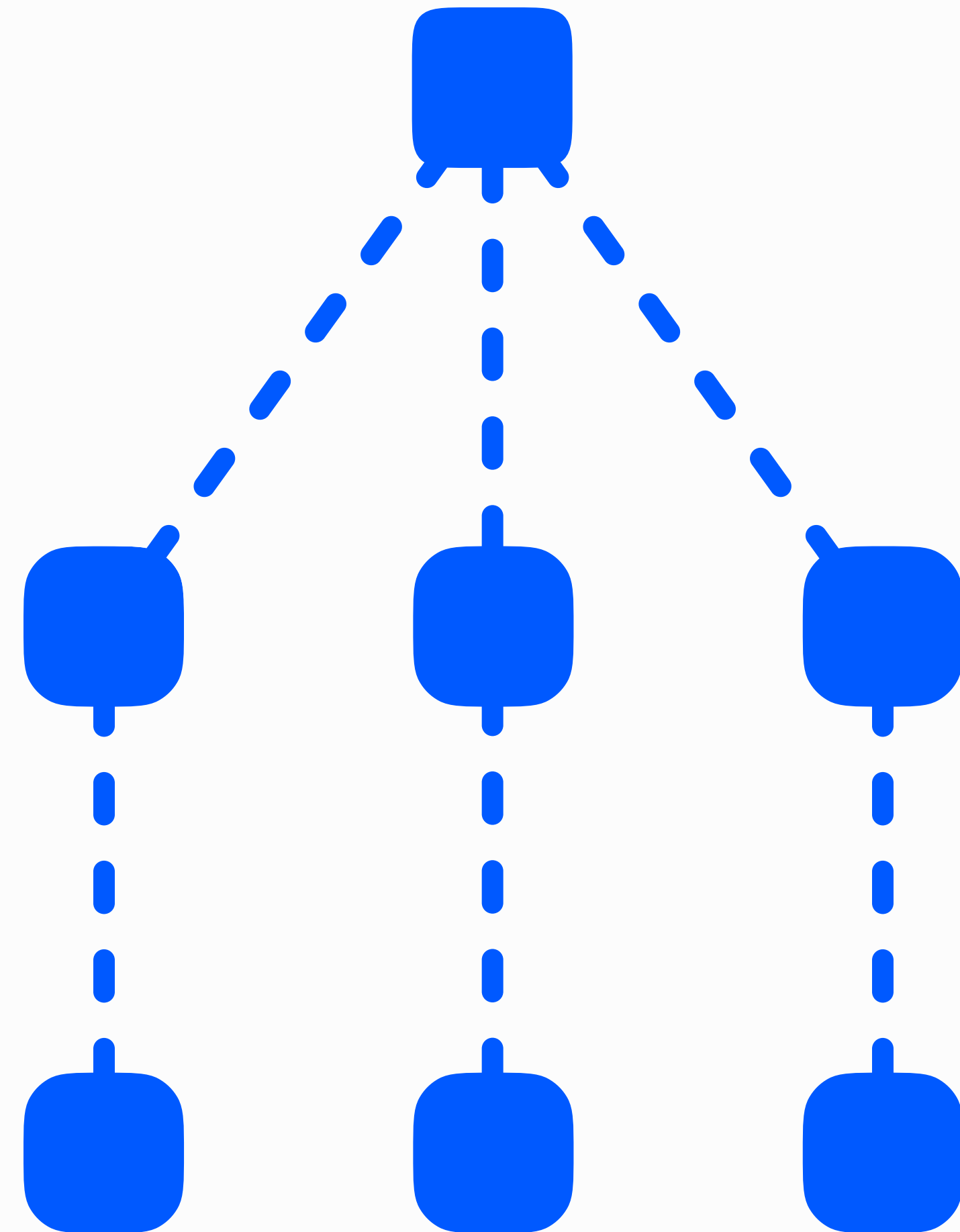


Codebase structure
Scaffolding mechanisms
Validation systems
Intent representation

Codebase structure

The organizational structure of the repository, including folder organization, module boundaries, naming conventions, and separation of concerns.

In well-structured systems, modules have clear responsibilities and predictable interfaces, allowing agents to locate relevant patterns and extend them safely.

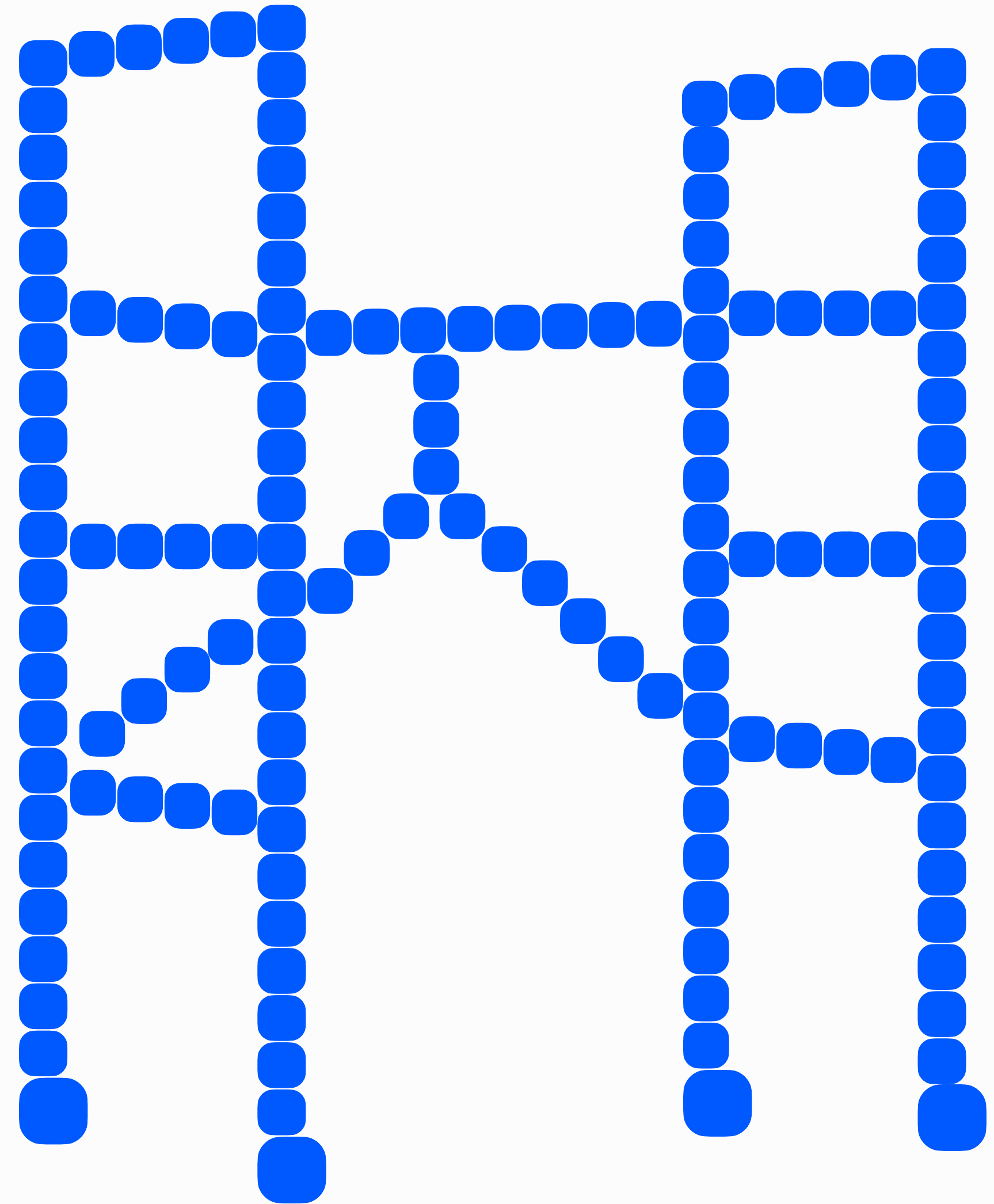


Scaffolding Mechanisms

Systems that generate structured artifacts to reduce repetitive implementation decisions.

Traditionally these include generators or templates (e.g., CLI scaffolding tools).

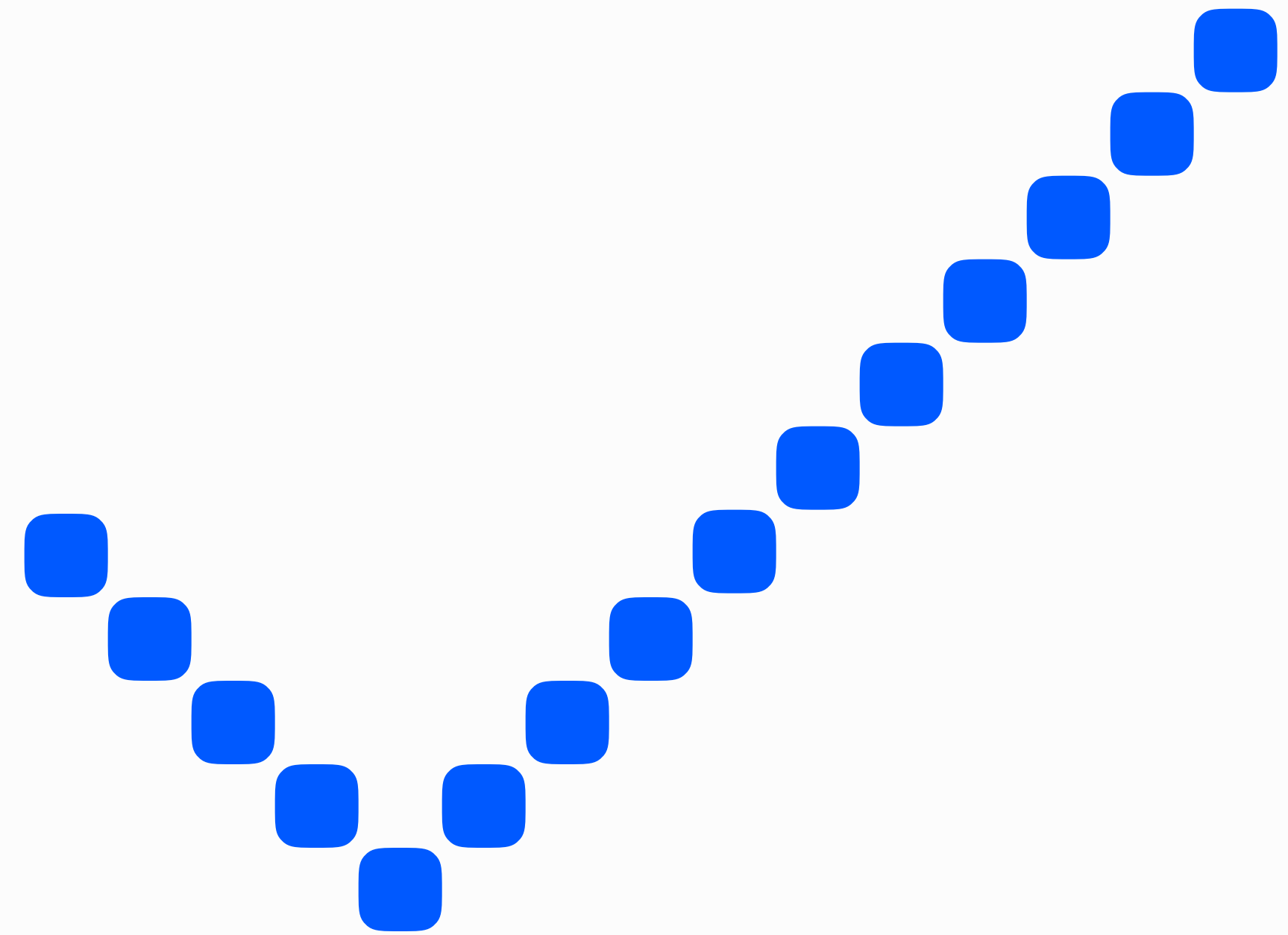
In agent-native environments, scaffolding may also take the form of reusable ****agent skills****, which encapsulate repeatable development workflows.



Validation Systems

Automated mechanisms that verify correctness and enforce invariants within the system. Validation typically includes comprehensive continuous integration pipelines, unit and integration tests, static analysis, strict linting, and type checking.

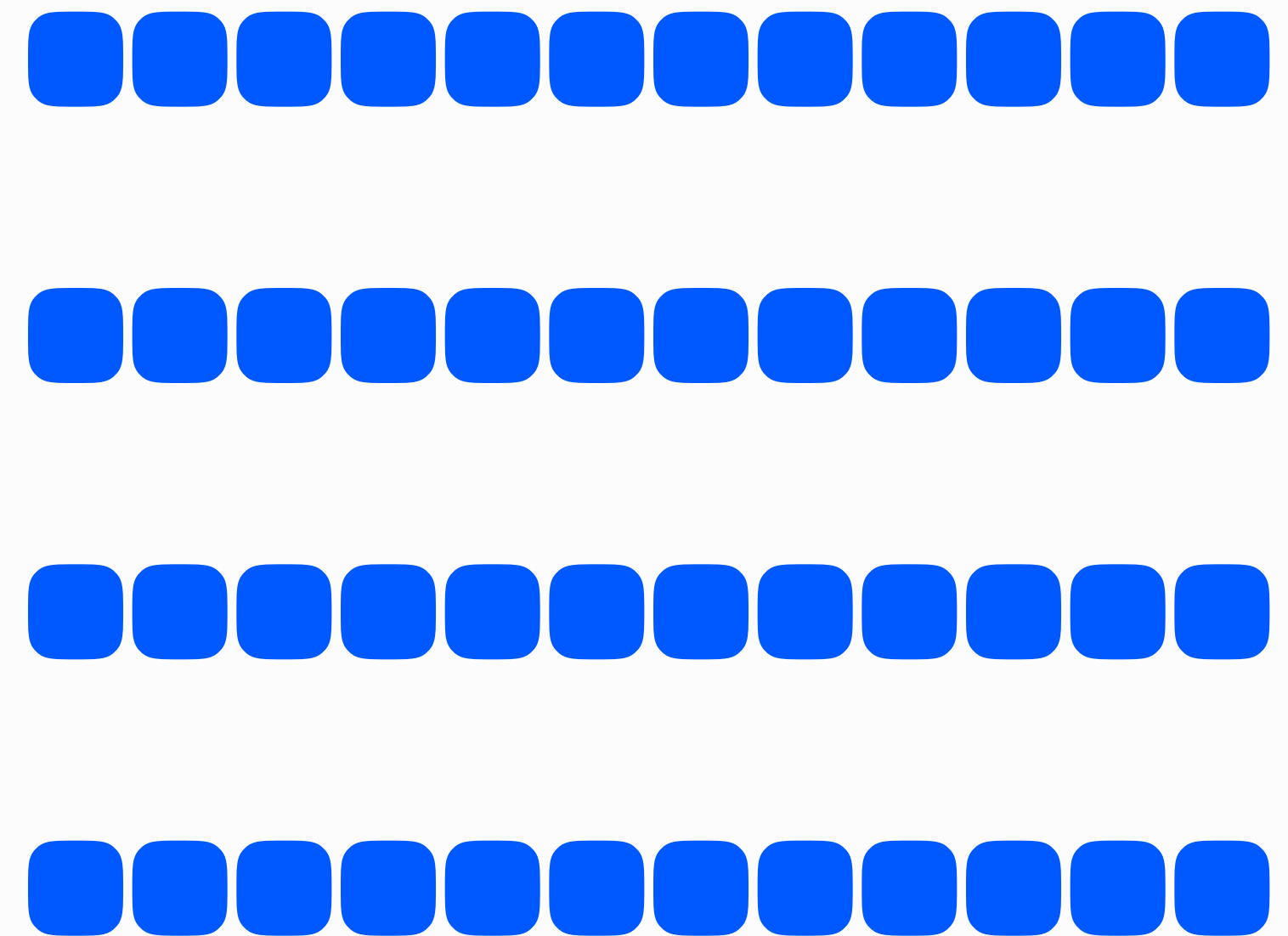
In some cases, runtime validation such as browser automation may be used to verify application behavior.



Intent Representation

A structured context system describing the purpose, usage, and constraints of different parts of the repository. Intent is represented through small documentation artifacts—such as `AGENTS.md` or similar files—placed at semantic boundaries within the codebase.

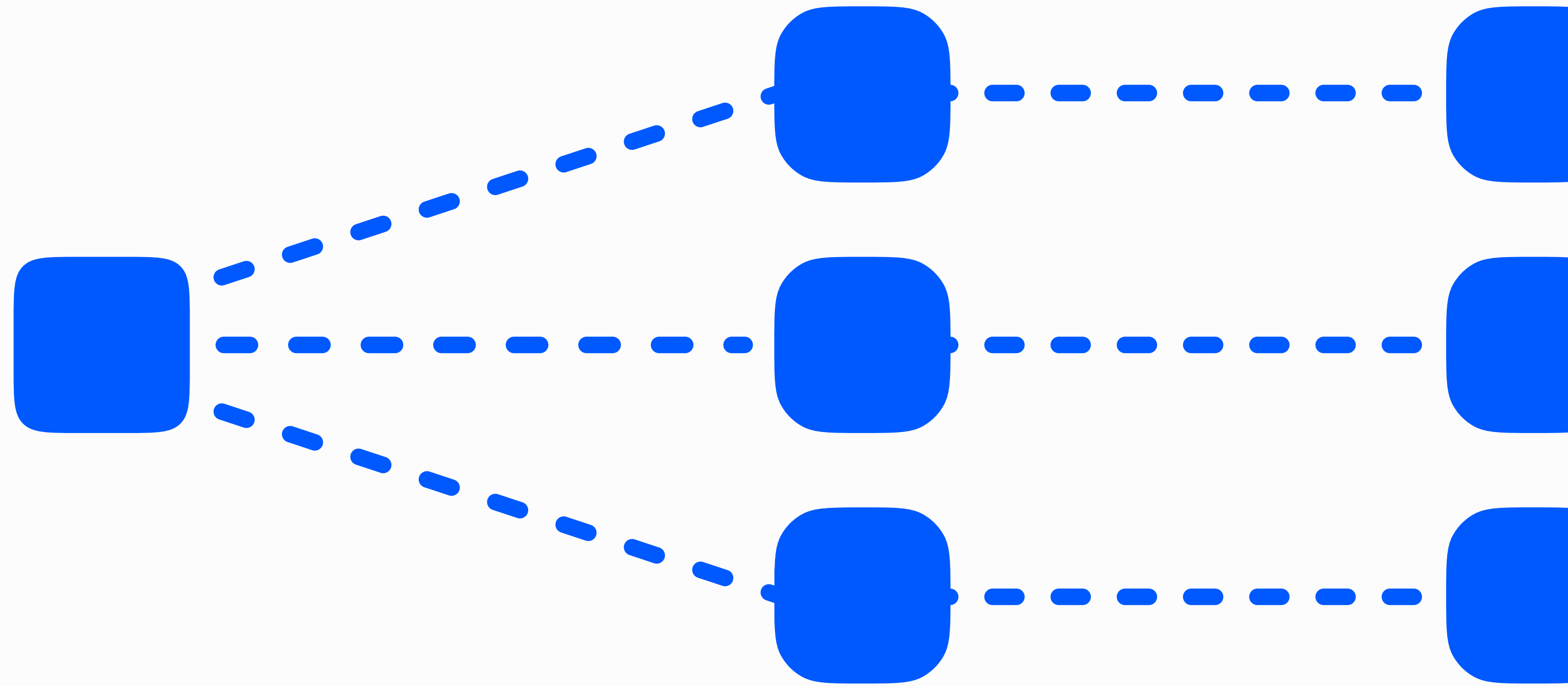
These **Intent Nodes** describe subsystem responsibilities, usage patterns, and pitfalls that agents should be aware of when working in that area.



Engineers will design environments.

Agents will implement code.

parallel



The future of engineering is not writing code
faster.

It's designing systems where machines can
write code reliably.

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