

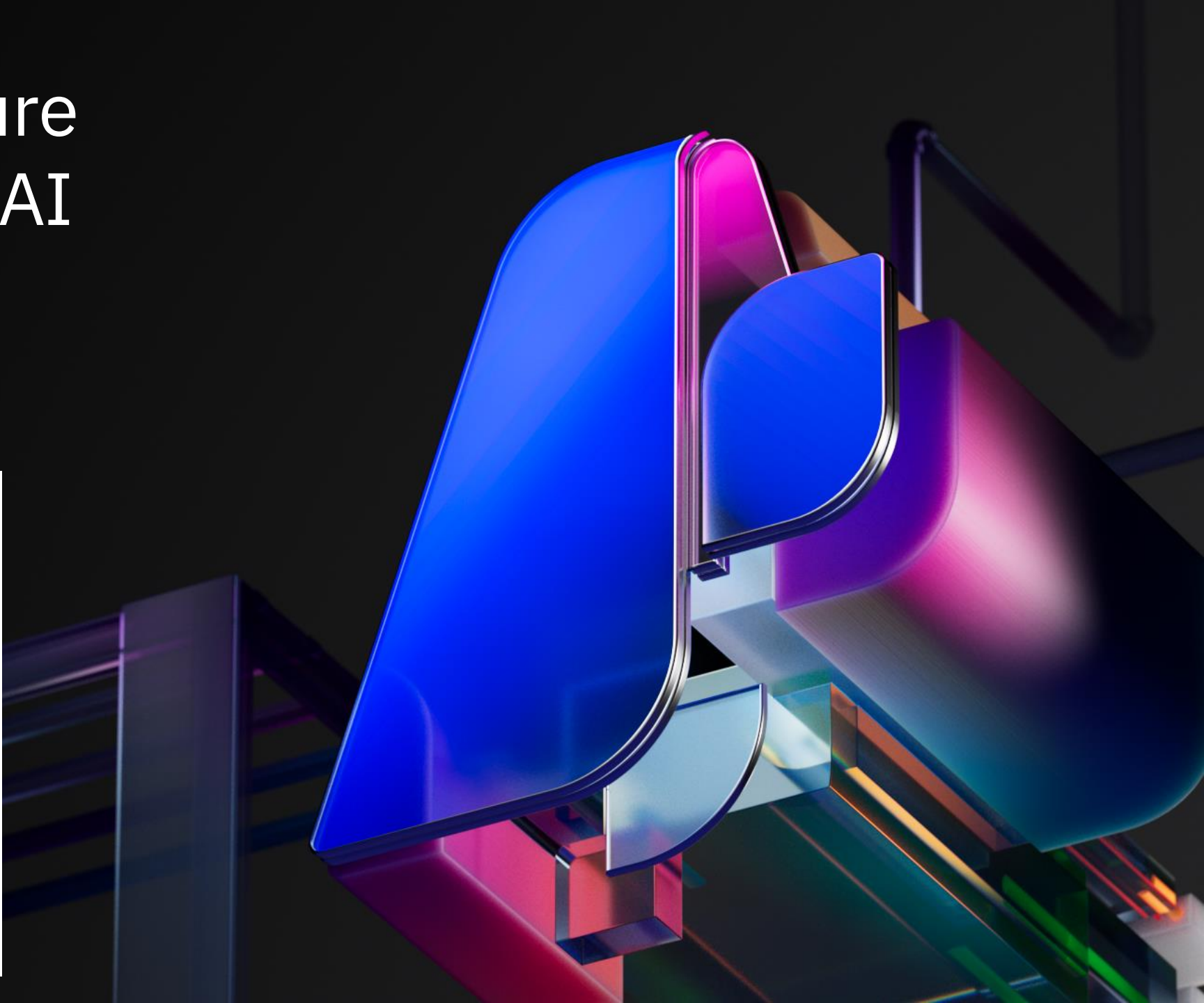
Coding the Future Education with AI

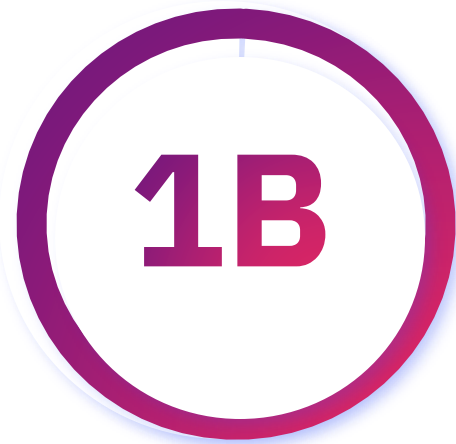
Ivan Portilla

portilla@gmail.com

AI Technical Architect

<https://github.com/iportilla/vibe>





New code applications
built over the next 24-
36 months



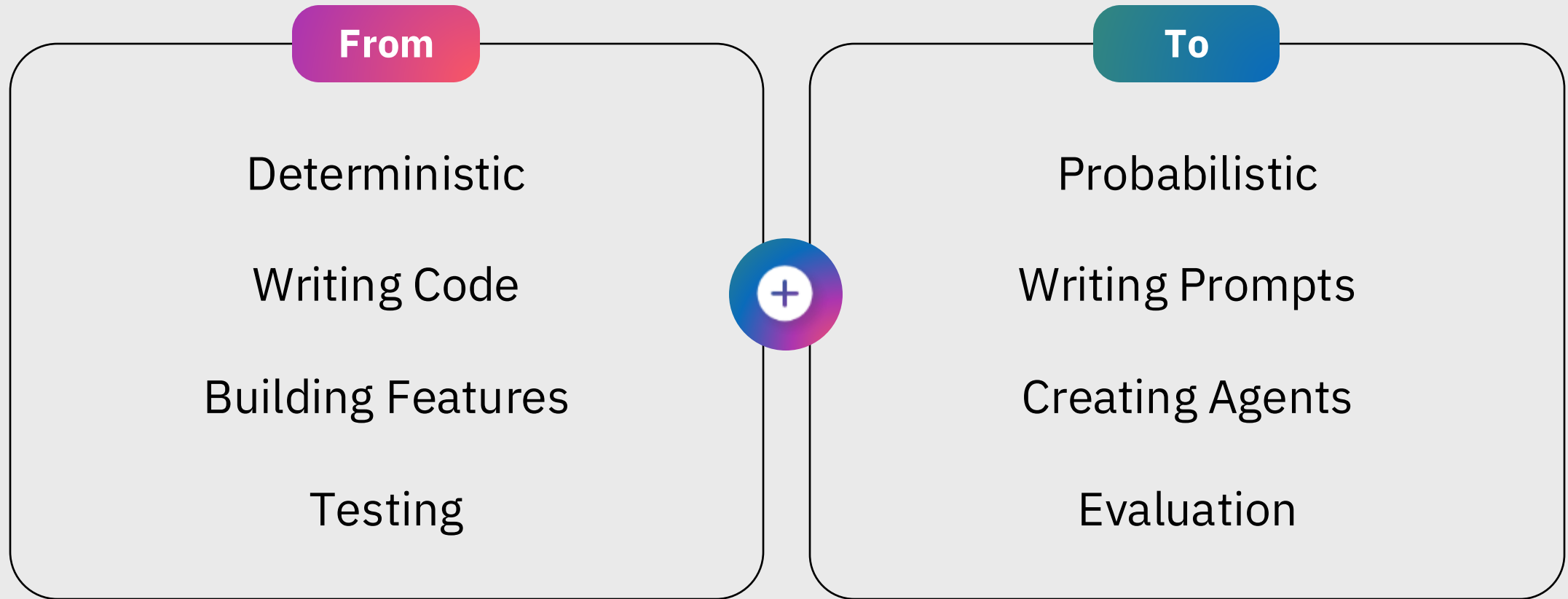
Organizations
accelerating code
creation with AI in 2026



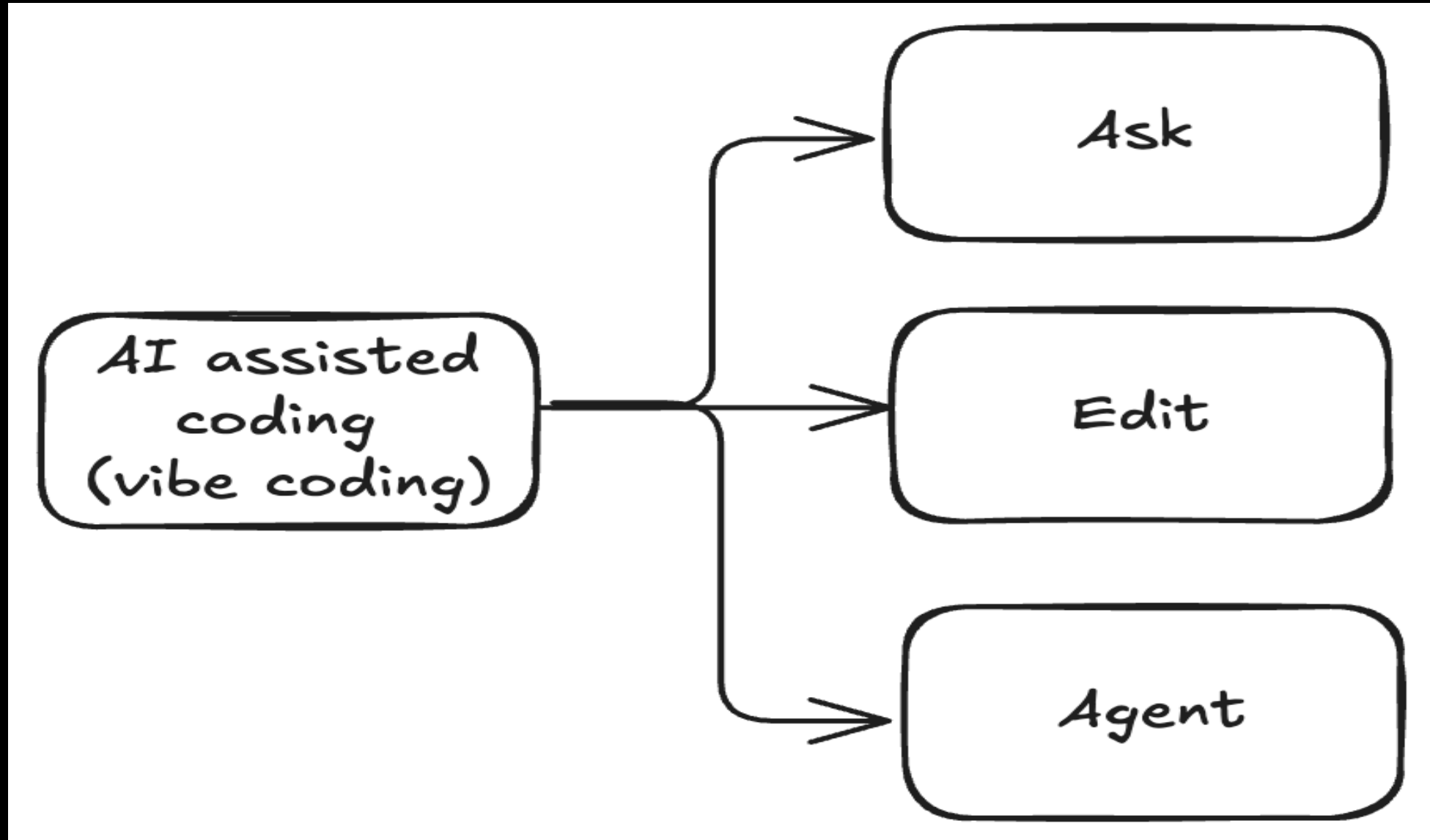
Developers **using AI** in
their toolset

Sources: [1 Billion New Logical Applications: More Background](#). IDC
[Unlock Competitive Advantage With Application Modernization](#), Forrester
[Survey reveals AI's impact on the developer experience](#). GitHub Blog

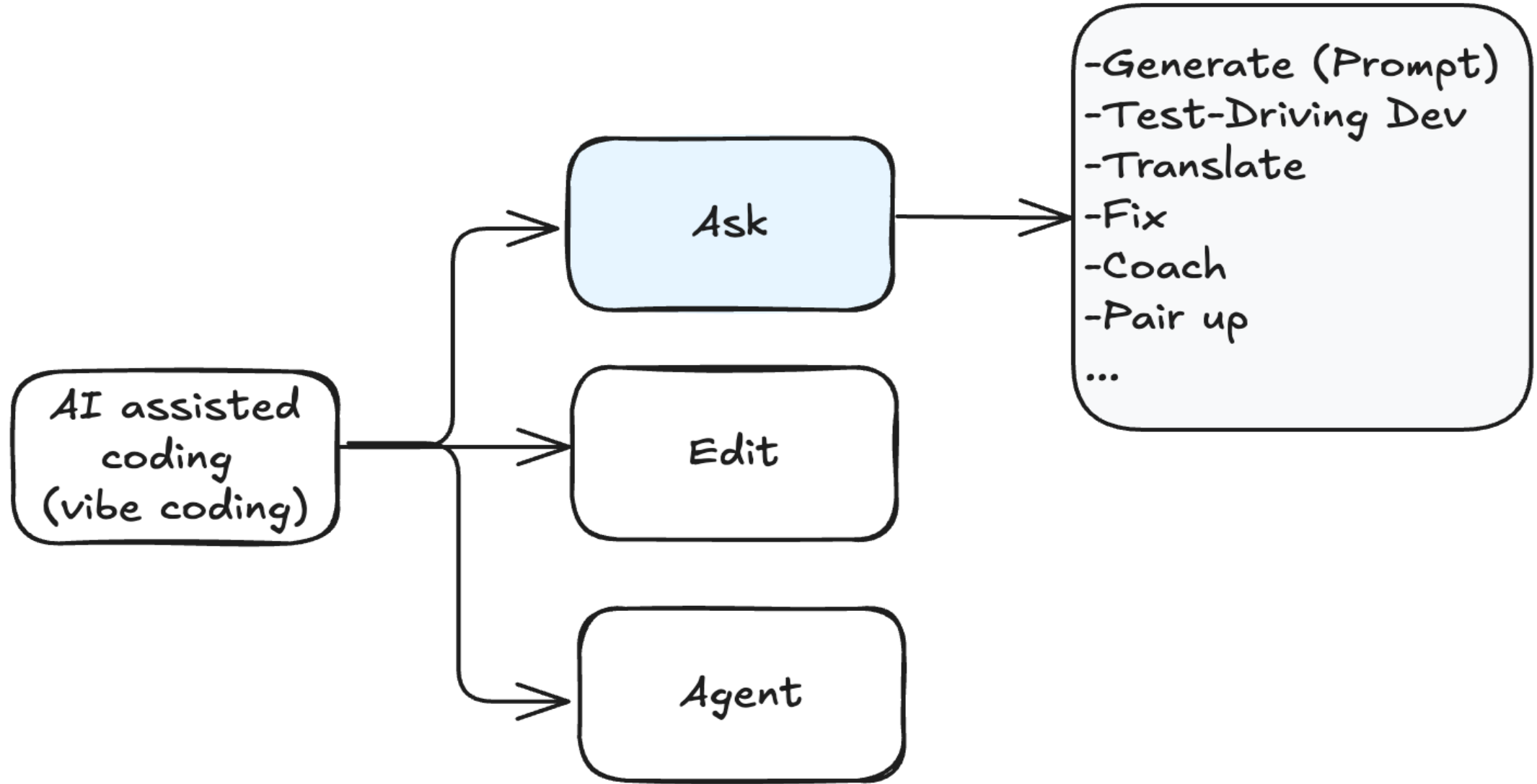
The way we write code is changing



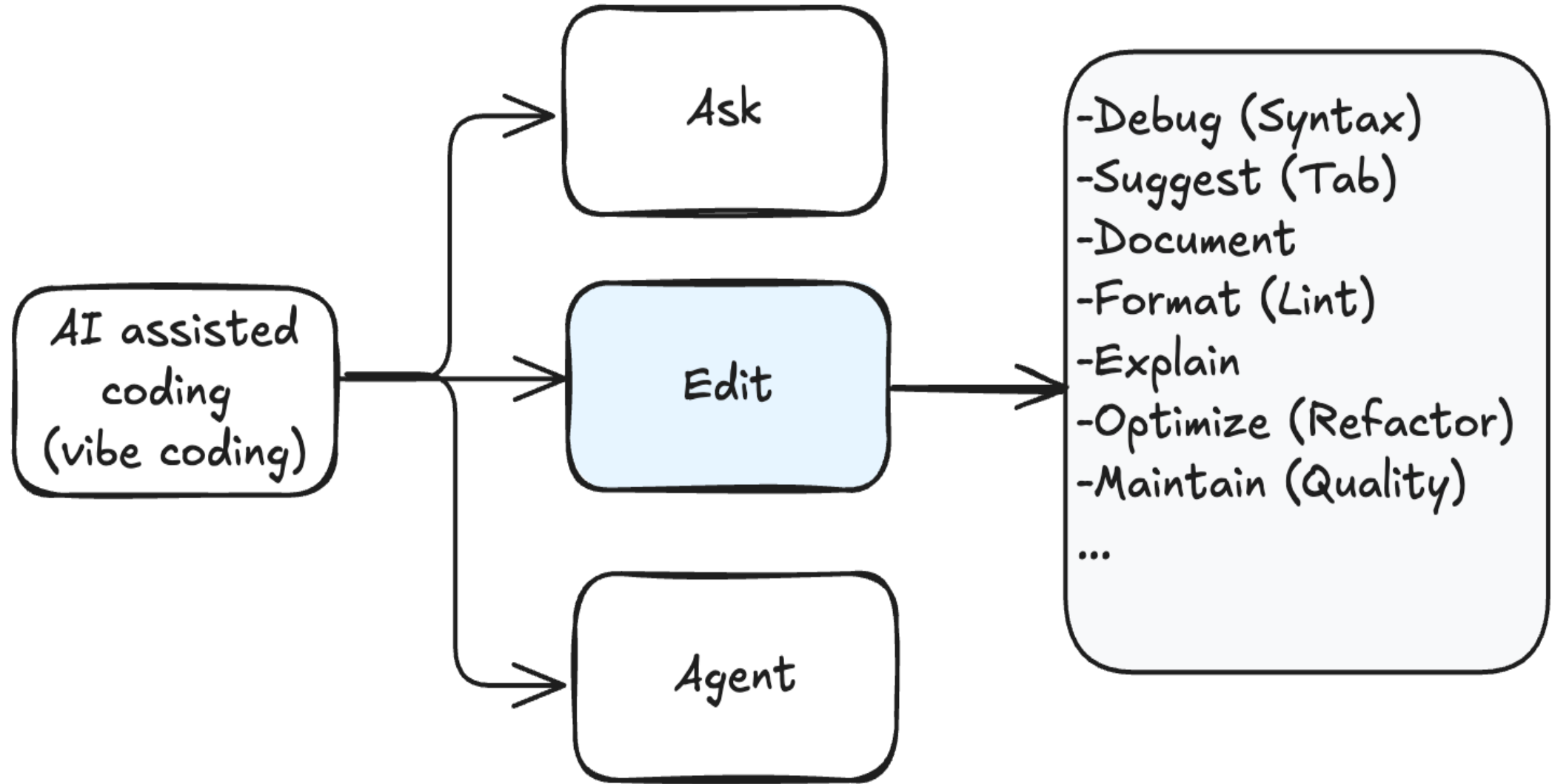
Leveraging AI in Coding



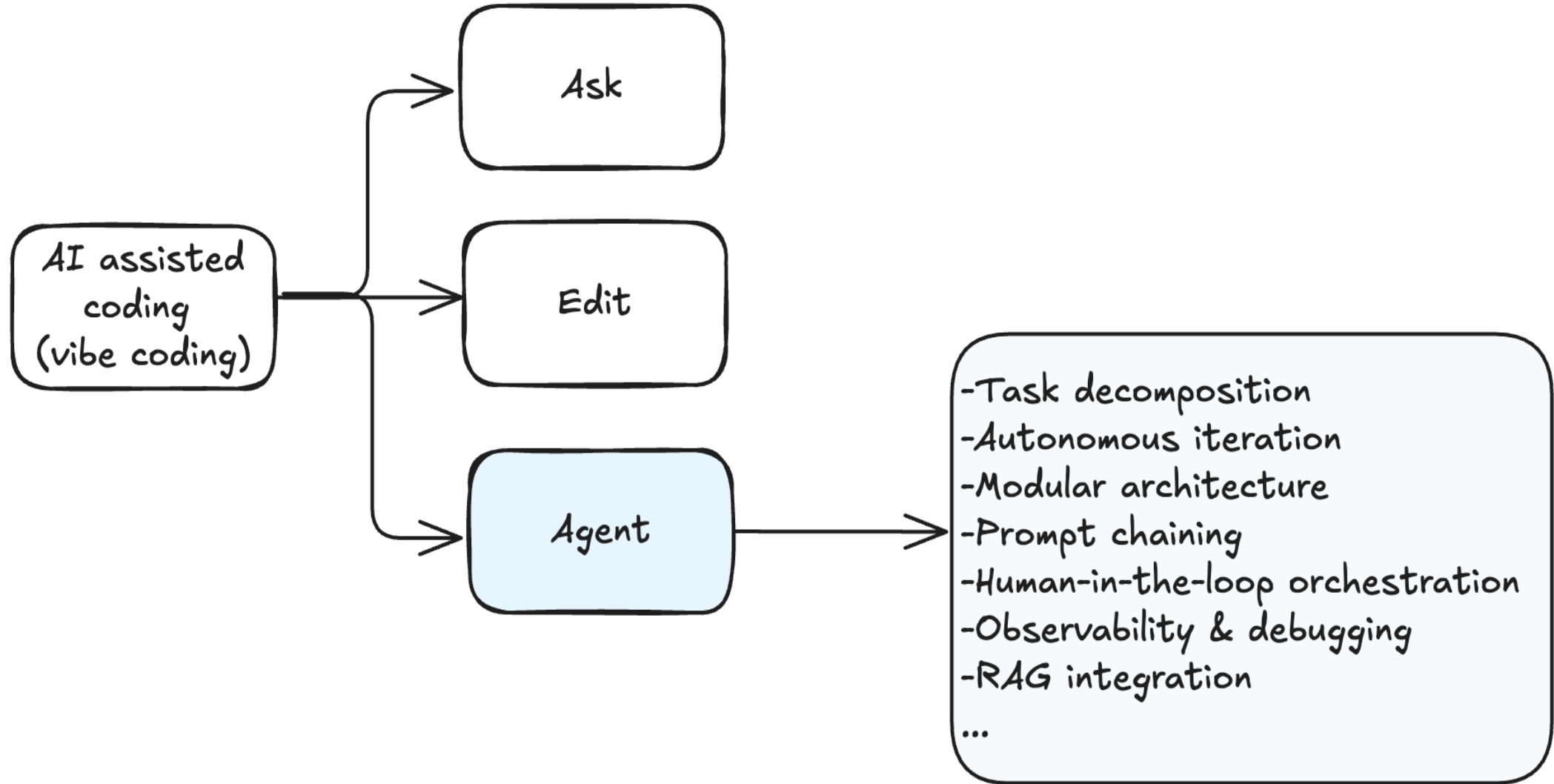
Leveraging AI in Coding



Leveraging AI in Coding



Leveraging AI in Coding



Risk mitigation plan for AI-assisted Coding in Education

Key Concerns

Blind trust

Prevent shortcut learning

Demystify the tool



Safeguards

Verify AI code & understand it before use

Use manual coding & AI to build foundational skills

Teach how AI coding tools work

Risk mitigation plan for AI-assisted Coding in Education

Key Concerns

Skills gap

No human-in-the loop



Safeguards

Foster critical thinking & peer reviews to reduce overconfidence in unverified outputs

Mandate code reviews & discussions on AI-generated code