

FlowJoe: The Visual Intelligence Workspace

The Tree:
Structured Thinking

The Gallery:
Visual Iteration

Joe AI:
Embedded Collaborator

A paradigm shift in how multimodal work and AI collaboration are structured.

The Context Collapse



The problem isn't that you have too much information.

The problem is that **the context keeps getting lost.**

- Current tools start AFTER the plan exists.
- They force users to choose between rigid spreadsheets or chaotic, structureless canvases.
- The best ideas are buried, and momentum dies in the gaps between applications.

The Hemispheres: Refusing the Trade-Off



Most software forces a choice: rigorous structure OR visual freedom. FlowJoe provides a highly structured spine connected directly to an **infinite associative canvas**.

The UI Architecture

The Spine

The hierarchical multi-root tree panel.

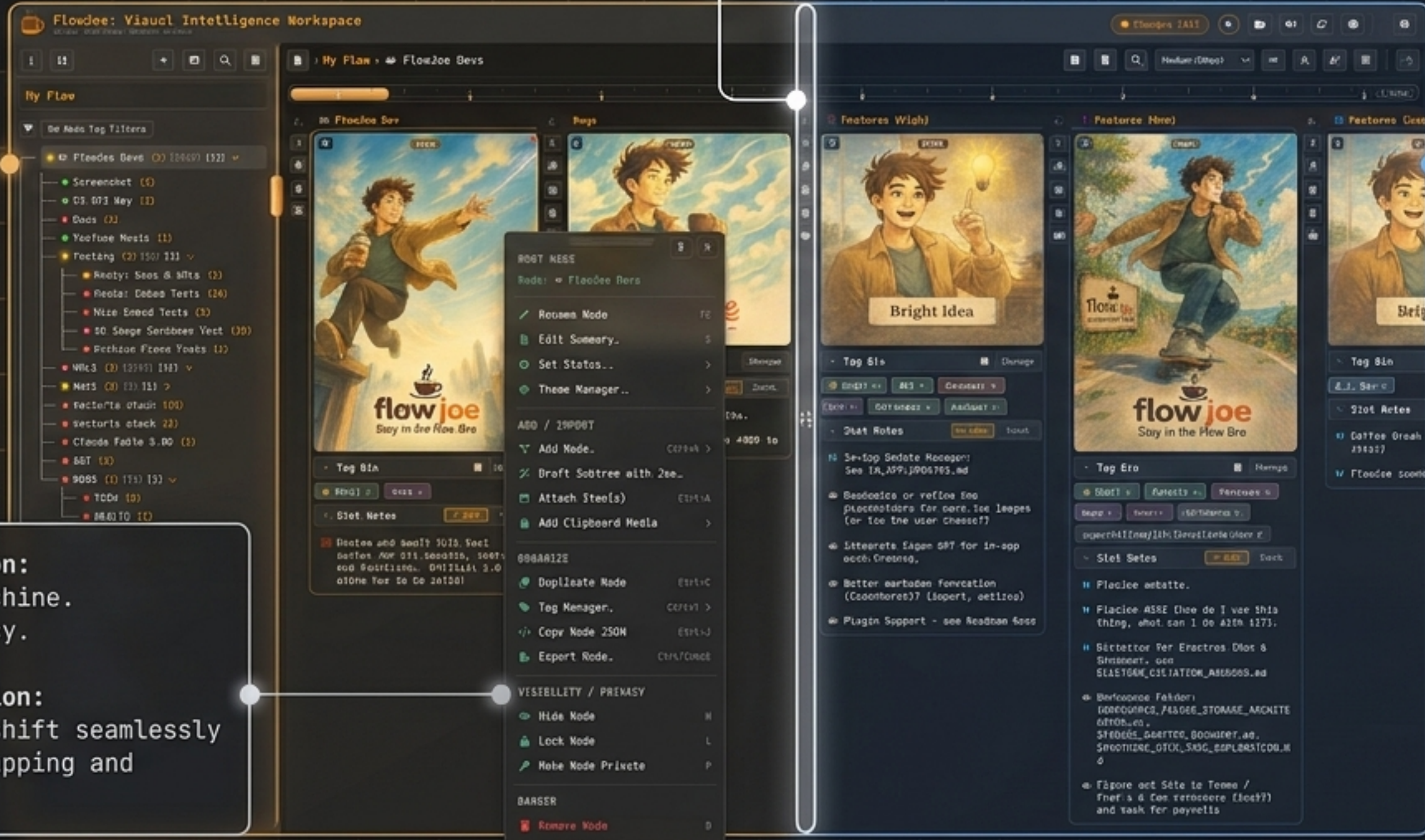
The Corpus Callosum

The physical resizer shifting the balance of work.

The Canvas

The rich media gallery and embedded cards.

- **Local-First Foundation:**
Data lives on the machine.
Uncompromising privacy.
- **The Blueprint in Action:**
Drag the resizer to shift seamlessly between structural mapping and visual ideation.



The Spine: Structured Thinking

Multi-Root Flows

Support for massively complex, nested child trees.

Per-Node Summaries

A dedicated project-intent layer, giving human and AI high-level context.

Theming & Visual Zoning

Per-node and branch theming with hierarchical inheritance.

Tag Registry

Flow-level tagging generating structurally read-only virtual galleries.



The Canvas: Media Richness

Nodes are rich containers, not dead attachments.

Visual galleries replace buried file fields.

Supports live URL link cards and inline provider embeds rendered directly in the desktop environment.

HORIZONTAL SCROLLING
LAYOUT (THUMBNAILS)
Spec-sheet - --

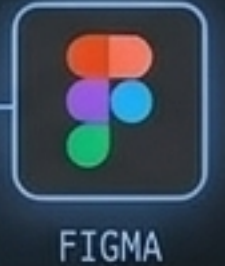
Spec-sheet
Data : +0

VERTICAL
STACKED LAYOUT

Spec-sheet · —
Data : -2



INLINE YOUTUBE



NATIVE IN-APP
BROWSER

VERTICAL-NOTES
LAYOUT (MEDIA &
DETAIL)

Workbench Islands: Engine-Isolated Context

No Context Switching: Edit formulas, format text, and drag calendar events natively inside the gallery slot.

AI-Readable: All isolated island content is instantly readable by Joe AI and external agents.

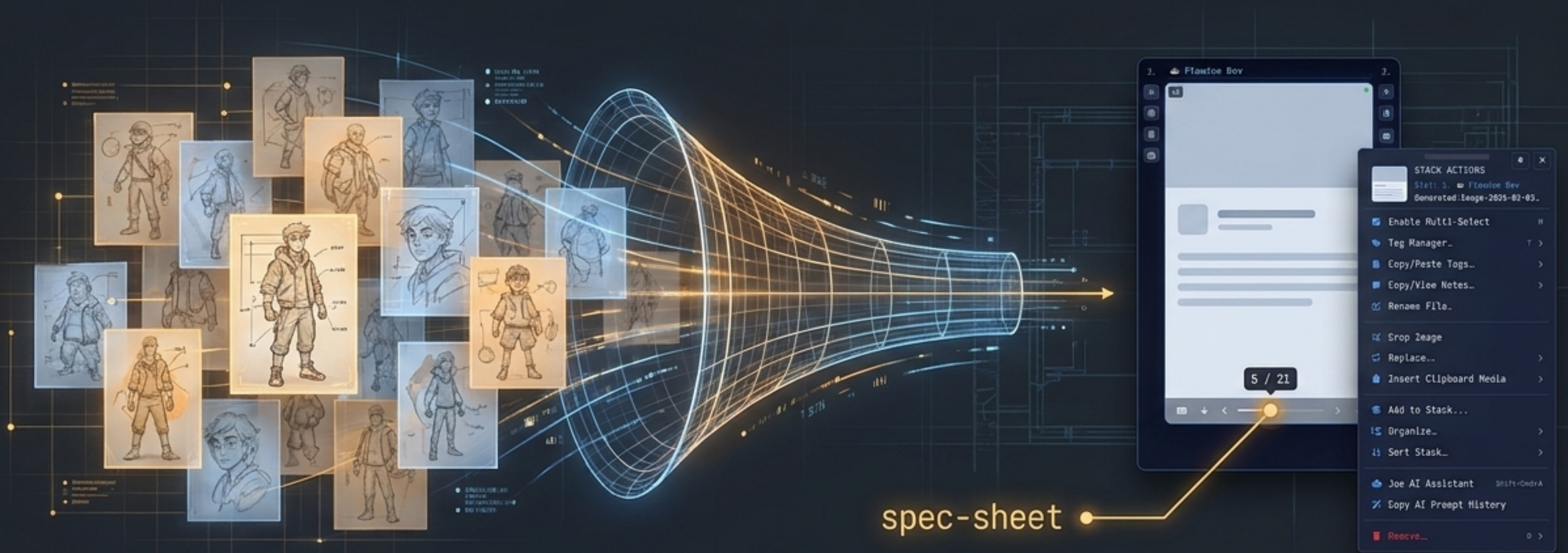
Standar-mode gallery slot

Editable Spreadsheets (.xlsx/.csv)

Rich Docs (.docx/.rtf)

Native Calendars (.ics)

Infinite Iteration: The Stack Model



Combine unlimited media variations into a single slot.

Eliminate visual clutter without deleting history.

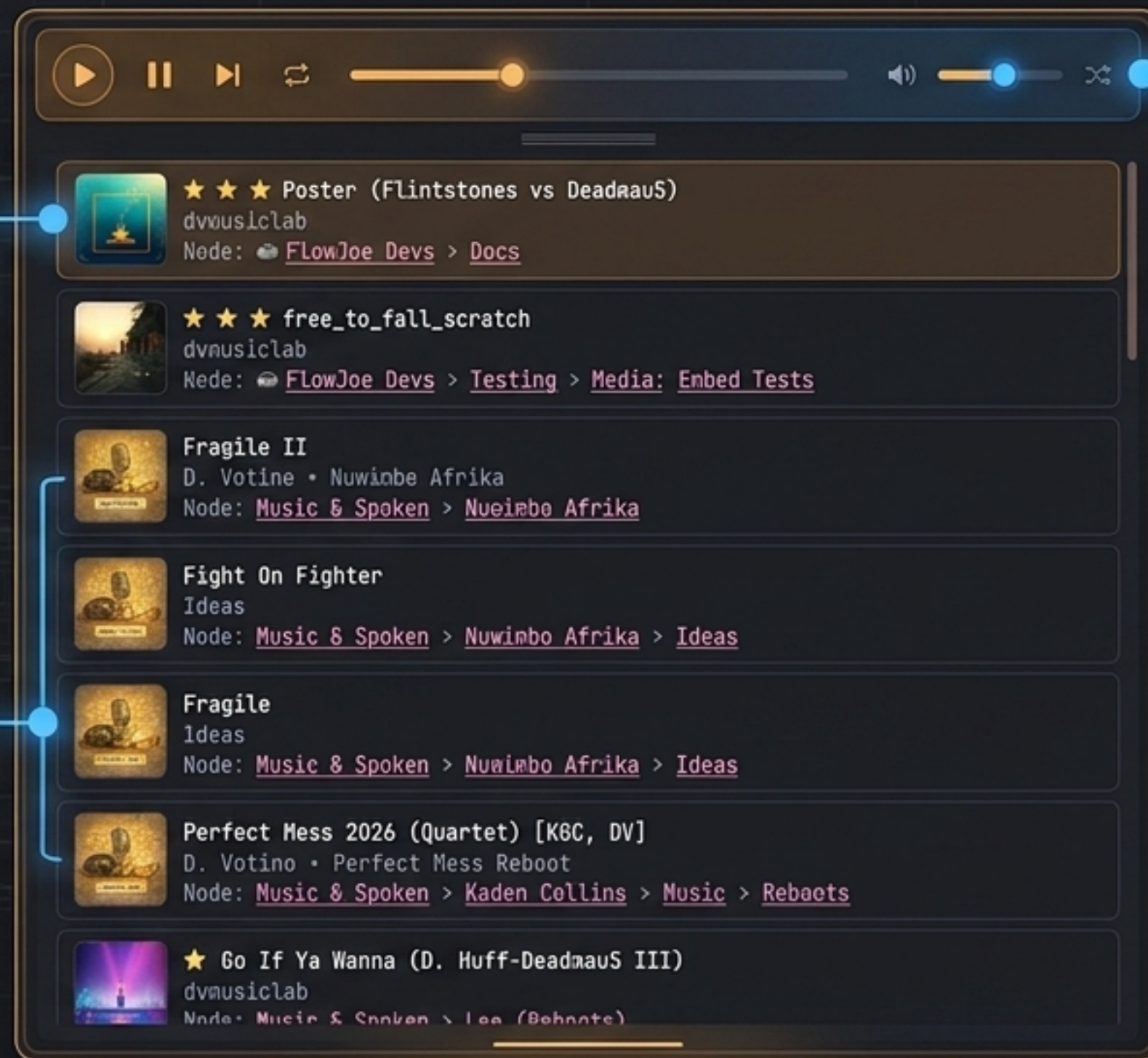
Navigate instantly with the visual scrubber.

Each item retains unique notes, tags, and AI context.

Sonic Intelligence

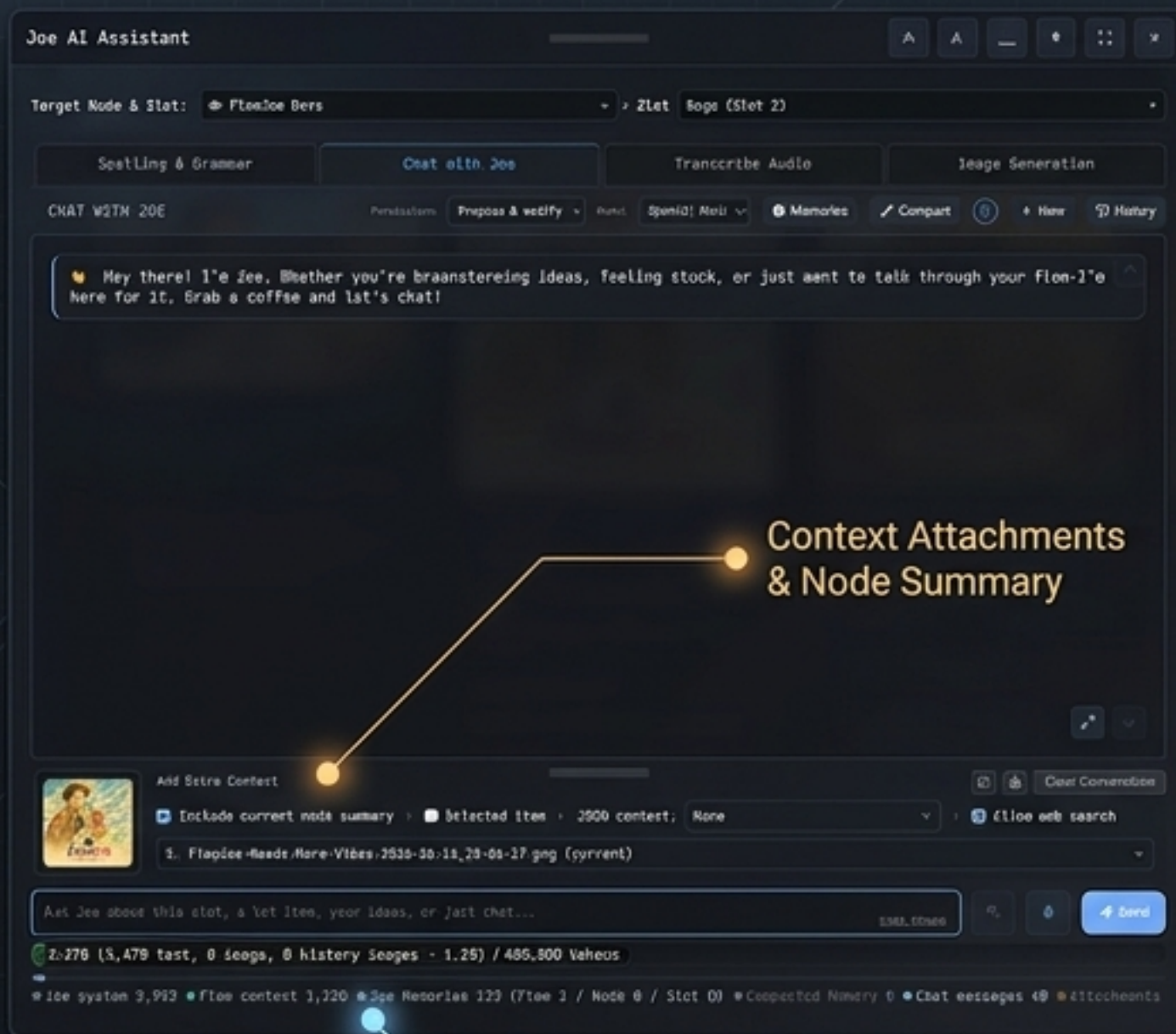
Not a Flat Tracklist:
Automatically extracts ID3 tags (Title, Artist, Album).

Visual Browsing:
Embedded album artwork is extracted locally—you see covers, not filenames.



Persistent Playback:
A global header player persists seamlessly as you navigate different nodes.

The Embedded Collaborator



Context Attachments
& Node Summary

Comprehensive Token
Transparency & Management

Context-Aware: Joe understands your node summaries, active slots, and full flow architecture.

Token Transparency Funnel

Massive Raw
Context
(Live Chat +
Attachments)

Auto-Compaction
Filter

Durable Markdown

Memories

Long-Chat Infrastructure: FlowJoe prevents token bloat. Manual and auto-compaction convert old chat turns into editable, durable markdown memories. Attachment payloads are distilled into lightweight text.

Approval-Gated Flow Editing

AI Seatbelt Flowchart



The Safety Loop:

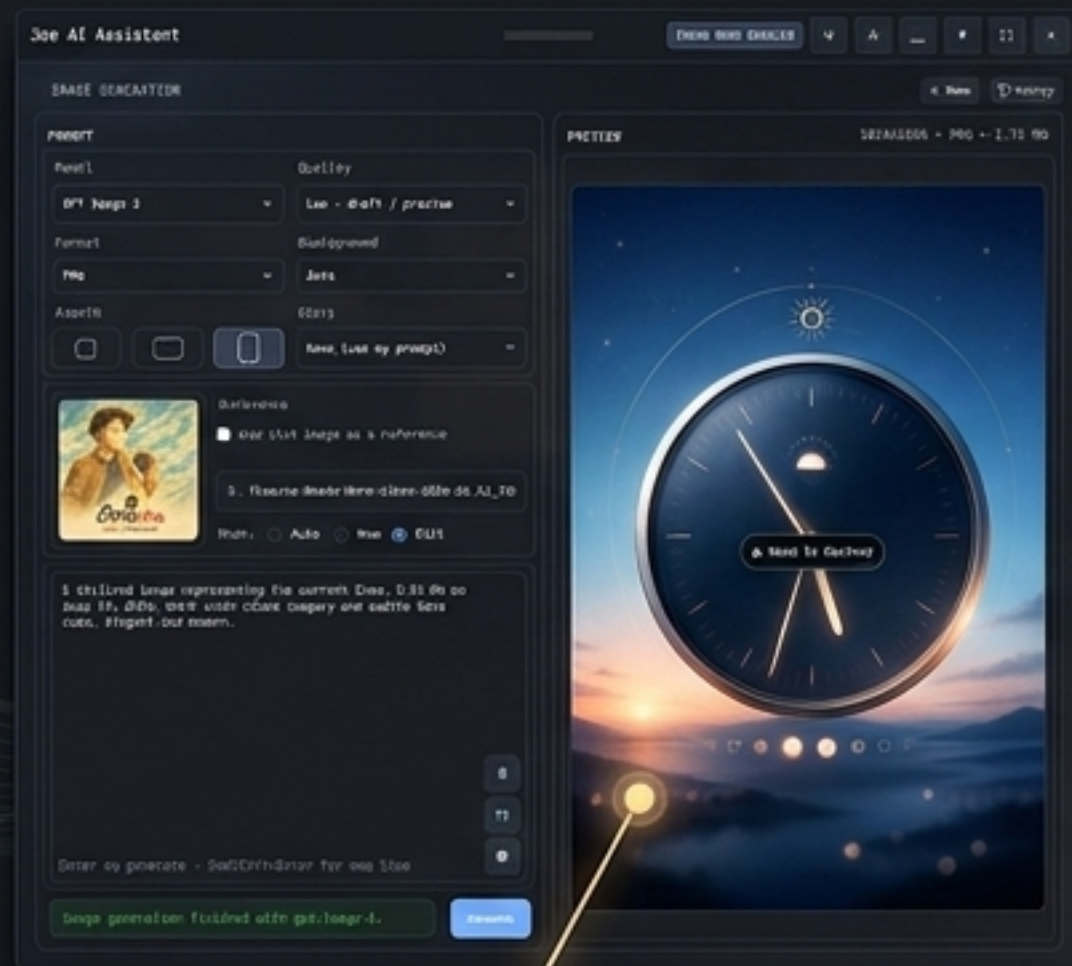
Changes land as atomic, undoable patches behind preview cards. AI never overwrites your structure silently.



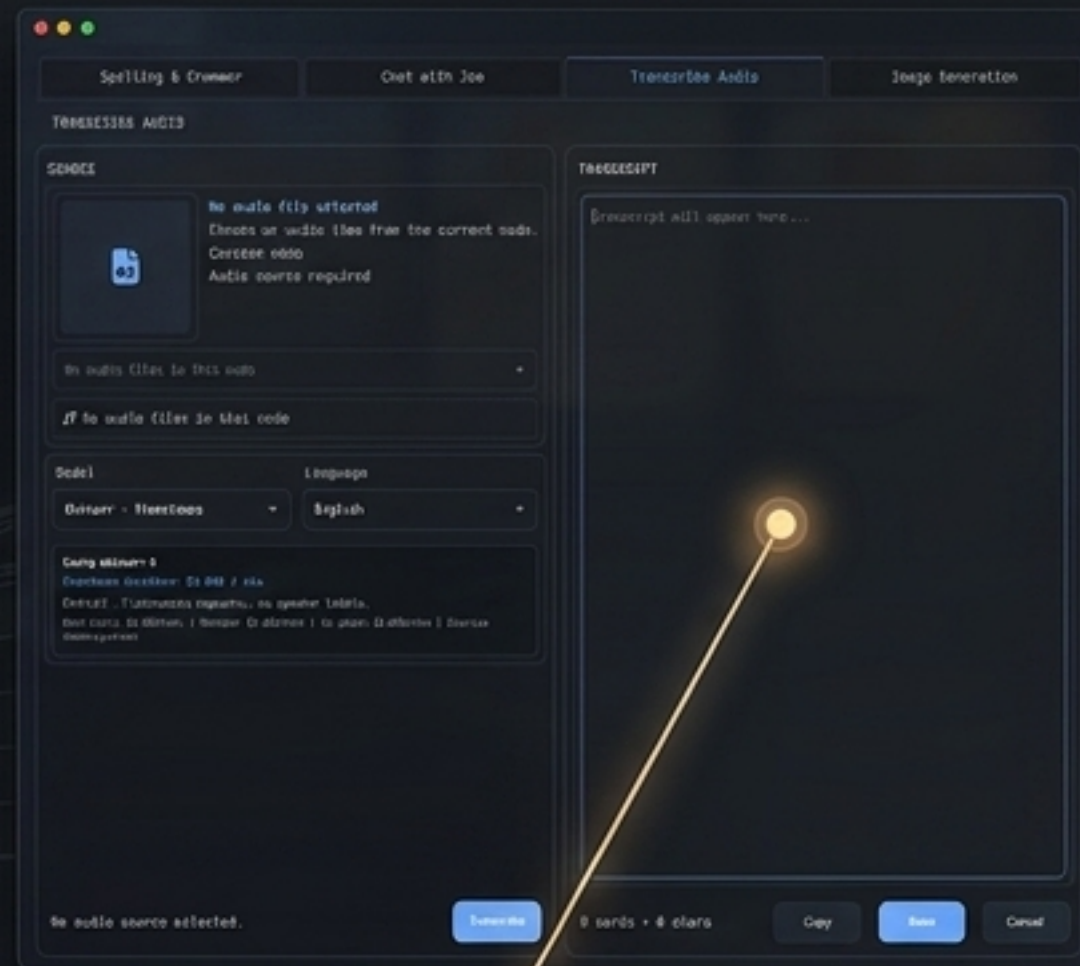
Background Automation:

Put Joe on a recurring schedule with built-in seatbelts to hold destructive tasks for explicit human review.

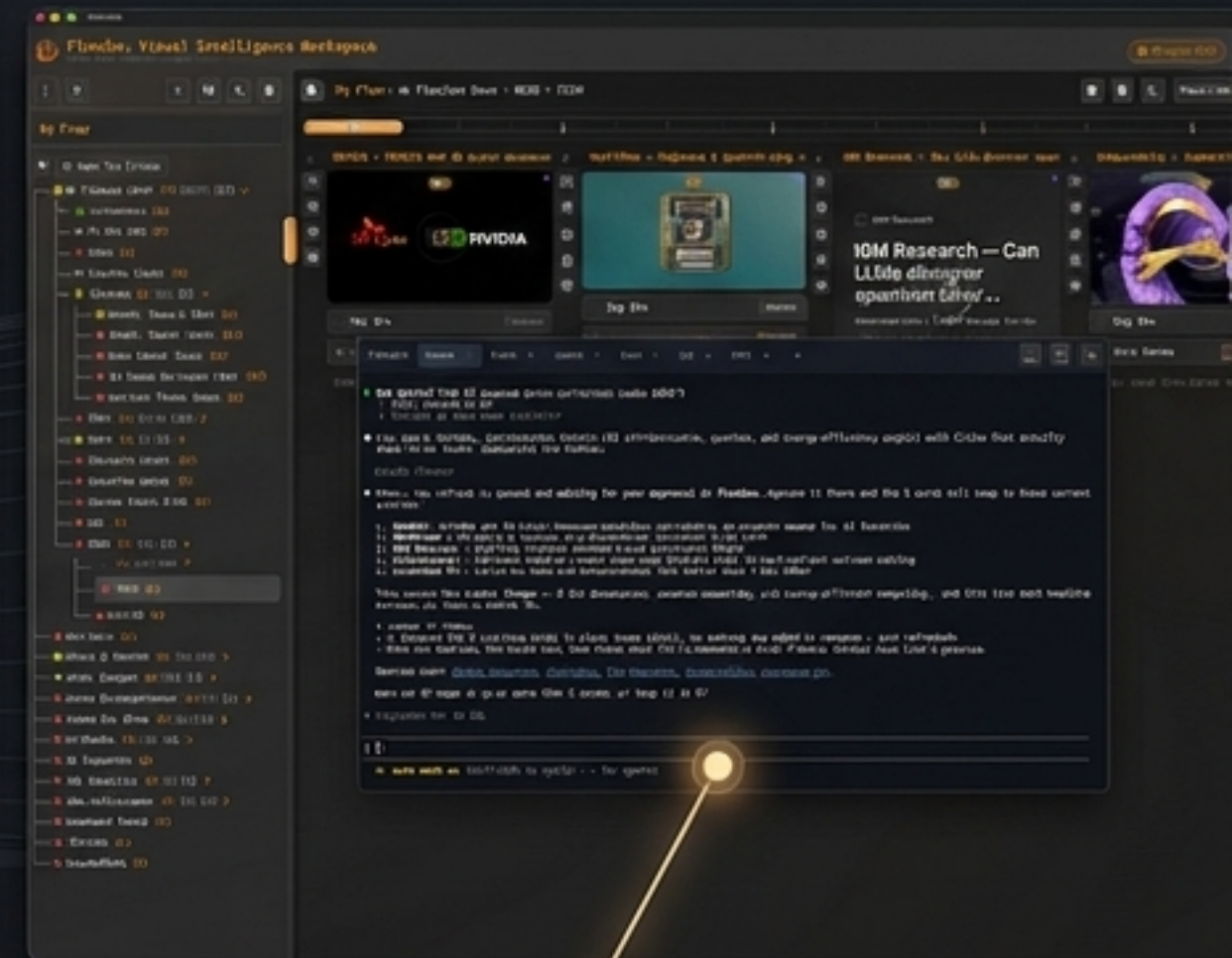
Multimodal Autonomy & The Agent Bridge



Native Generation:
Mid-conversation image
generation.

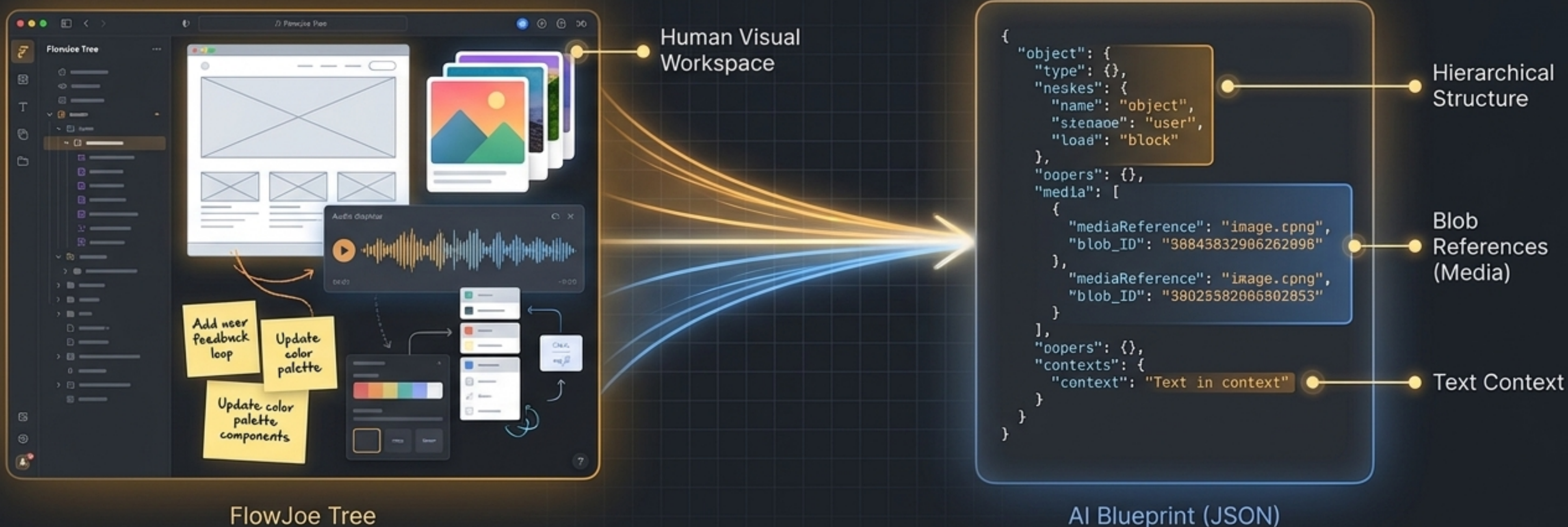


Speech-to-Text:
Local browser and macOS
dictation.



The Agent Bridge (MCP):
External agents in your local
shell (Claude Code, Gemini) can
read, create, and edit flows
under the same explicit
approval discipline.

The Synthesis: JSON for AI Execution

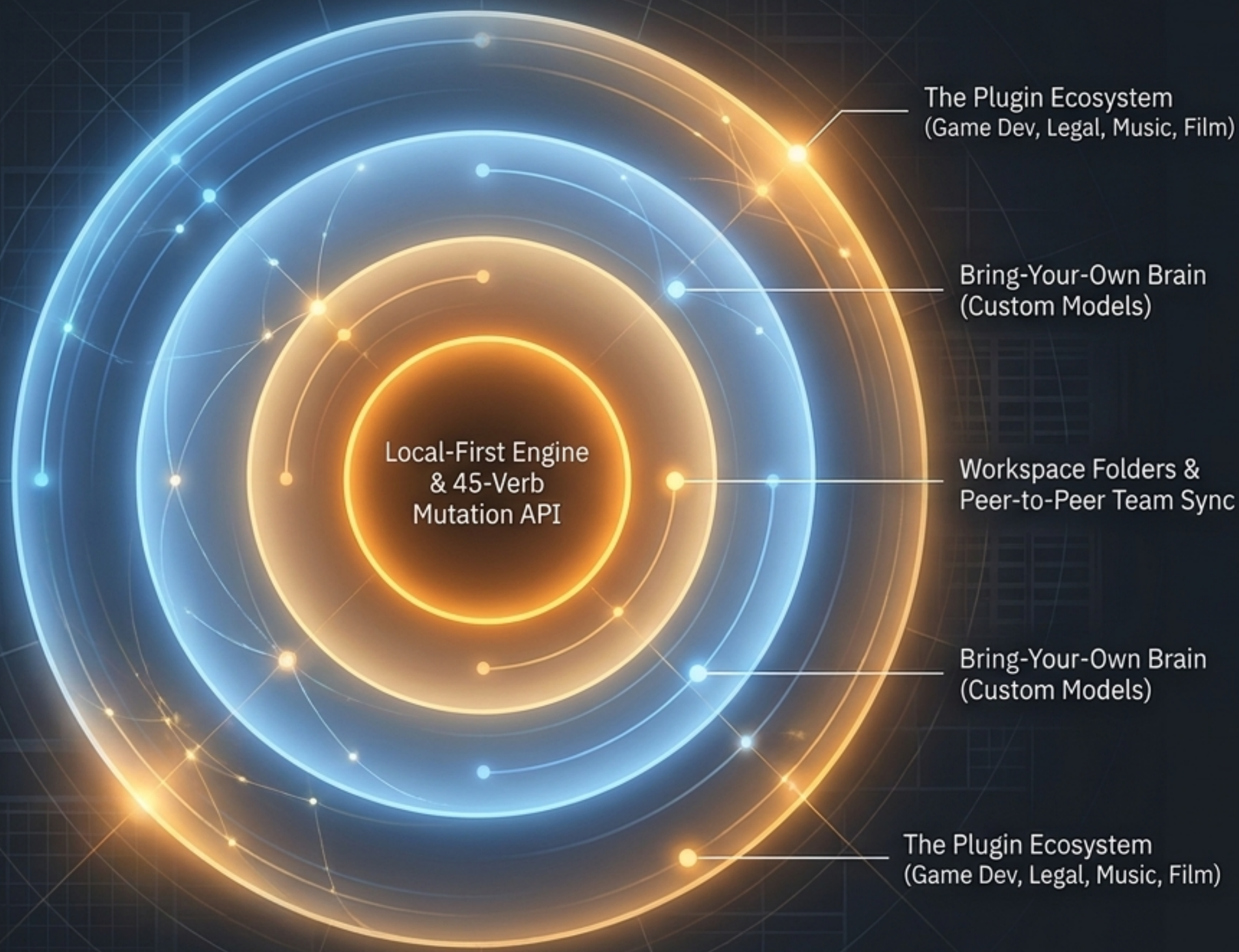


From Human Canvas to AI Blueprint: Unlike flat text prompts, FlowJoe provides AI with complete hierarchical architecture, relationships, edge cases, AND media references. Design visually, export perfectly, generate instantly.

The Trade-Off Refusal Matrix

Dimension	Note Apps (e.g., Notion)	Cloud Drives (e.g., Finder/Drive)	Freeform Canvases (e.g., Miro/Figma)	FlowJoe
Hierarchical Rigor	✗	—	✗	✓
Media Richness (Stacks/Metadata)	✗	—	✗	✓
In-line Editing (Workbenches)	✗	✗	—	✓
Local-First Ownership	✗	—	—	✓
Whole-Tree AI Context	✗	—	✗	✓

FlowJoe sits in a category of one: a Local-First, structured-yet-rich environment.



Beyond an App:
Transitioning from a
single tool to a
universal domain
ecosystem.

Teach FlowJoe the grammar
of your specific field
(custom metadata,
templates, domain-aware
AI).

The hard part is already
shipping today. FlowJoe is
standing on a foundation
that works.