Visify — Visual as a Service

"Turn any word into a visual. Integrate anywhere." Saurabh Zinjad - Team Warriors

Problems

- Digital workspaces (Slack, Teams, CRMs, websites) are text-heavy and hard to scan.
- No quick "big picture" users must read long paragraphs to understand.
- Manual diagram creation is time-consuming and quickly outdated.
- Visual context is proven to aid comprehension, but not always accessible.

Lack of Visual Context Hinders Comprehension. Text-heavy workspaces Lack of overview Manual diagram creation Inaccessible visual context

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Why Now / Key Benefits / Impact

- **Information Overload**: Professionals process 1000s of words daily visuals reduce cognitive load.
- **Instant Understanding**: At-a-glance overviews improve decision-making and alignment.
- **Seamless Integration**: API-first approach plugs into any platform without workflow disruption.
- **Speed**: Generate visuals in seconds instead of hours.
- Always Up-to-Date: Regenerate diagrams instantly when text changes.

Visuals for Efficiency



Information Overload

Visuals simplify complex information for professionals.



Instant Understanding

Quick overviews enhance decision-making and alignment.



Seamless Integration

API-first approach ensures smooth platform integration.

Enhanced Productivity



Speed

Rapid visual generation saves time and resources.



Always Up-to-Date

Instant diagram updates keep information current.

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Example Use Cases

- Slack/Teams Bots: Convert meeting notes into flowcharts.
- CRMs: Turn sales pipeline text into funnel diagrams.
- Incident Reports: Generate event timelines automatically.
- **Docs/Wikis**: Auto-create architecture diagrams from descriptions.
- **Education**: Transform lecture notes into mind maps.

Diagram Generation Applications



Slack/Teams Bots

Convert meeting notes into flowcharts for better understanding.



CRMs

Turn sales pipeline text into funnel diagrams for sales analysis.



Incident Reports

Generate event timelines automatically from incident reports for analysis.



Docs/Wikis

Auto-create architecture diagrams from descriptions in documentation.



Education

Transform lecture notes into mind maps for improved learning.

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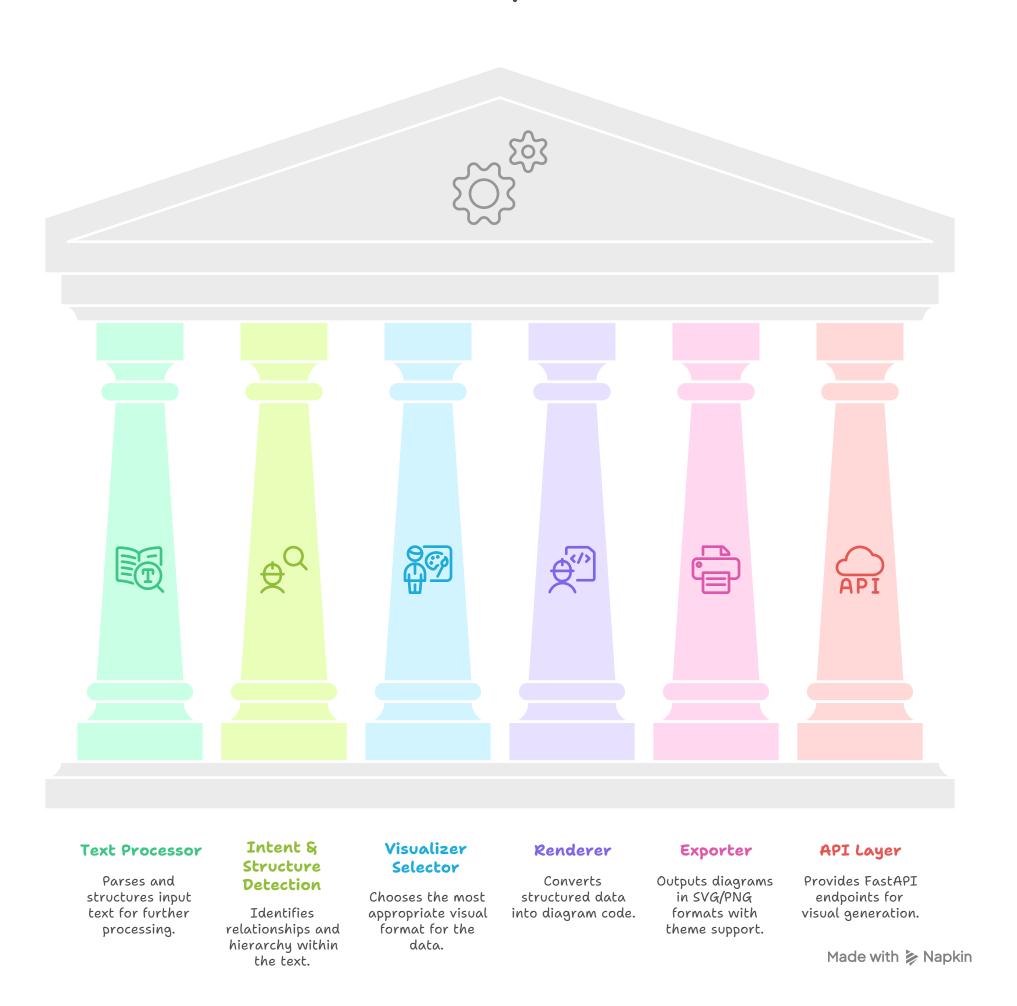
A service that transforms raw text into **the most relevant visual format** (flowchart, mind map, timeline, chart, table, image, GIF, or video) and returns it via API for direct embedding into any system.

Architecture & Components

Core Components:

- 1. **Text Processor** Parses and structures input text.
- 2. **Intent & Structure Detection** Identifies relationships, hierarchy, and flow.
- 3. **Visualizer Selector** Chooses the most fitting visual format.
- 4. **Renderer** Converts structured data into diagram code (Mermaid).
- 5. **Exporter** Outputs to SVG/PNG with theme support.
- 6. **API Layer** FastAPI endpoints for mermaid and visual generation.

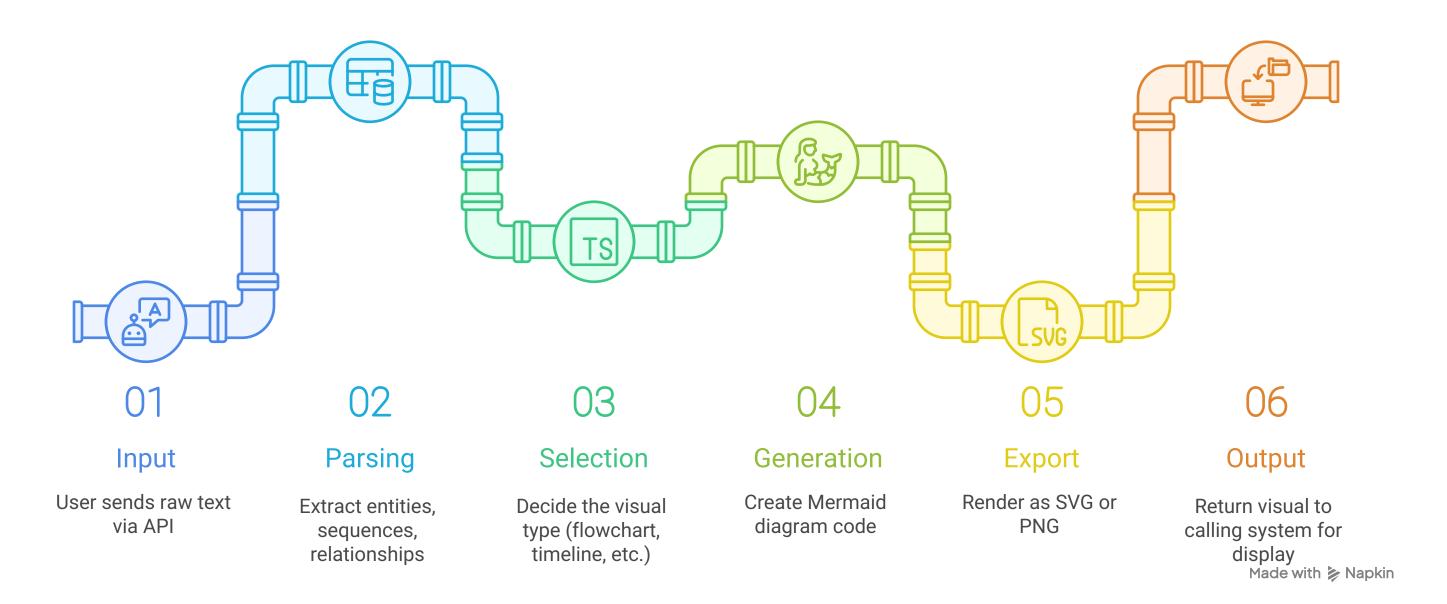
Core Components



Workflow (Pipeline)

- 1. **Input**: User sends raw text via API.
- 2. **Parsing**: Extract entities, sequences, relationships.
- 3. **Selection**: Decide the visual type (flowchart, timeline, etc.).
- 4. Generation: Create Mermaid diagram code.
- 5. **Export**: Render as SVG or PNG.
- 6. Output: Return visual to calling system for display.

Visual as a Service Workflow



What's Different

- From Natural Text → Visual without requiring diagram DSL knowledge.
- Automatic Visual Type Selection (flow, sequence, timeline, etc.).
- API-First built for integration, not standalone editor use.
- Theme Support for brand alignment.
- Leverages diagram-as-code for easy version control and updates.

Diagram benefits



Natural Text to Visual

Converts natural language into diagrams without DSL.



Automatic Visual Selection

Automatically selects the appropriate diagram type for you.



API-First

Designed for integration with other systems via APIs.



Theme Support

Offers customizable themes for consistent branding.



Diagram-ascode

Enables version control and easy updates using code.

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Potentials / Next Steps

- Add more visual formats (charts, org charts, Gantt).
- Interactive diagrams that update live with text edits.
- GIF/video generation for animated flows.
- Browser extension & integrations for Docs, Jira, Confluence.
- Enterprise version with on-prem hosting & SSO.