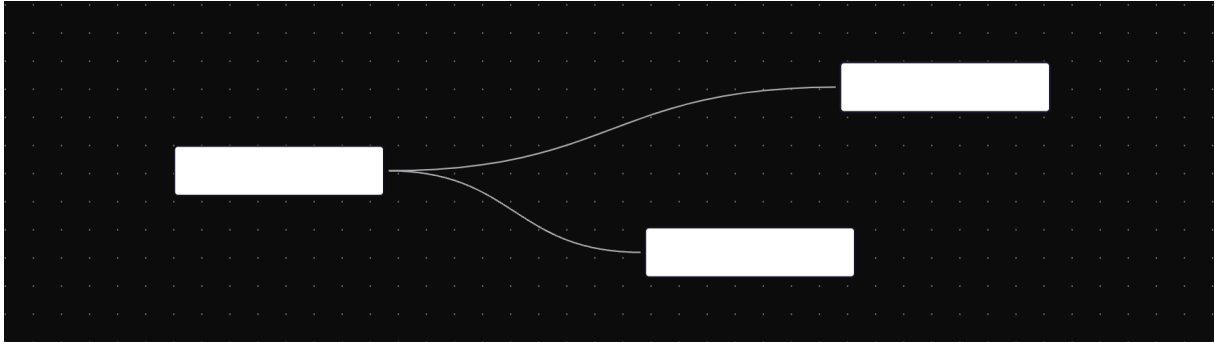

Awesome Node-Based UIs



A curated list with resources about node-based UIs.

Check out CONTRIBUTING.md for instructions on how to add a new link to the list.

Curators: Christopher, John and Moritz from React Flow / Svelte Flow

Javascript Libraries

Renderers

- baklavajs - Graph/node editor for VueJs
- beautiful-react-diagrams - React components and hooks to build diagrams
- butterfly - Renderer for interactive diagrams and flowcharts
- cytoscape.js - Canvas based renderer with utilities and algorithms
- diagram-maker - Interactive editor for any graph-like data
- Flowy - Flowchart library
- flow-builder - React-based renderer for workflows and process diagrams
- GoJS - Diagramming library with a focus on customization and interactivity
- jointjs - JavaScript diagramming library
- jsplumb - Open source project written in Typescript that gives you the tools you need to visually connect DOM elements
- kedro-viz - Visualises Kedro data and machine-learning pipelines
- litegraph.js - A graph node engine and editor
- mermaid - Static diagrams for documentation
- ngx-graph - Graph visualization library for Angular
- ngx-vflow - An open source library to build node-based UI with Angular
- nice-dag - Lightweight javascript library, which is used to present a DAG diagram
- nodl - Framework for computational node graphs
- react-dag-editor - React component to create graphic user interface

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- react-digraph - A library for creating directed graph editors
 - React Flow - React library for rendering node-based UIs
 - reaflow - React library for building workflow editors
 - rete - Framework for visual programming and node editors
 - sigma.js - Visualization framework for large graphs
 - Svelte Flow - Svelte library for rendering node-based UIs
 - vue-flow - Flowchart component for Vue 3
 - X6 - Diagramming library that uses SVG and HTML
 - yFiles - Library for visualizing, editing and analyzing graphs

Layouting

- elkjs - A port of the Java ELK layouting library to Javascript
- d3-hierarchy - Helpers and algorithms for working with hierarchical graphs
- d3-force - Library for creating interactive force directed graphs
- d3-dag - D3 plugin to work with DAG data structures
- dagrejs - Directed graph layout algorithms for Javascript
- graphology-layout - Layout algorithms
- springy - Force directed graph layouts

Graph Utilities

- behave-graph - Extensible behaviour-graph execution engine
 - behave-flow - UI for behave-graph using react-flow
- graphlib - Helpers for directed graphs in JS
- graphology - Utilities and algorithms for all kinds of graphs

Misc

- flume - Business logic graph editor
- mermaid - Flowchart and sequence diagrams generation
- pintora - Text-to-diagrams library
- quick-erd - Generate entity-relationship diagrams (ERD) from text, and reverse engineer ERD text from live database

C Libraries

Renderers

- graphviz - Graph visualization software
- imnodes - Node editor for dear imgui
- node-editor - Node Editor built using dear imgui
- nodeeditor - Dataflow programming framework

.NET Libraries

- Blazor.Diagrams - A fully customizable and extensible all-purpose diagrams library for Blazor.
- nodify - A collection of WPF controls for node based editors designed for MVVM.
- NodeNetwork - A C# library with a WPF node editor component based on ReactiveUI.
- STNodeEditor - A node editor based in Windows Forms and GDI that offers extensive properties and events for streamlined data interaction between nodes.

Rust Libraries

- egui_node_graph - Node applications using egui

Swift Libraries

- Flow - Swift Package Manager-based node graph editor

Go Libraries

Diagramming

- d2 - Scripting language that turns text to diagrams

Applications

Workflow & Automation

- Benthos Studio - Visual editing for the Benthos stream processor
- Cables - Visual programming environment

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- Carto Workflows - Spatial analytics tool
 - Concourse CI - Container-based continuous thing-doer [OSS]
 - Controller Lab - Drag-and-drop tool for remapping input devices
 - Dopt - Visual flow builder + APIs/SDKs for powering user onboarding and engagement experiences
 - Dots - No-code bot builder for Discord community onboarding & engagement
 - DoubleLoop - Dashboard builder to monitor business metrics
 - customer.io - Automated messaging platform
 - FME - ETL tool with spatial data support
 - Flowhub - Visual programming tool [OSS]
 - Kelp - Build interactive data-driven apps for operational analytics
 - Kuwala - Data Pipelines for BI analysts [OSS]
 - Mode - Tool for exploratory analysis
 - n8n - Workflow automation platform
 - novu - Notification infrastructure for developers [OSS]
 - OneSignal Journeys - Workflow builder to automate messaging
 - Patterns - Data processing and automation tool
 - Power Automate - Automation tool
 - Proxeus - Workflow builder for secure documents and more [OSS]
 - Retool Workflows - ETL tool for Retool
 - Stately - Application logic visualizer [OSS]
 - Tracardi - Customer Journey Automation tool [OSS]
 - whenthen - Payment orchestration
 - workflow86 - Workspace to document, automate and manage business workflows

AI

- Cellulose - Machine Learning Model visualizer and optimization tool
- Netron - Visualizer for machine learning models
- ComfyUI - Stable Diffusion GUI

Diagramming

- diagrams.net - also known as draw.io
- FigJam
- Flowchart Fun - Generate flowcharts and diagrams from text [OSS]
- Grapher - Flowchart tool [OSS]

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- Knotend - Keyboard-centric flowchart editor
 - Lucidchart
 - Mermaid Live - Edit, preview and share mermaid charts/diagrams [OSS]
 - Miro
 - nomnoml - Tool for drawing UML diagrams [OSS]
 - QuikFlow - Create flowcharts with a mindmapping workflow
 - Terrastruct - Visualize software architecture

Data Processing

- Cascade - Data transformation and visualization
- CodeNect - Visual Programming Software that transpiles to C
- Datablocks - Data transformation and visualization
- Easy Data Transform - Data transformation tool
- Enso - Code based automation tool [OSS]
- GraphQLeditor - Editor for GraphQL
- jsoncrack - JSON data visualizer
- node-red - Low-code programming for event-driven applications [OSS]
- Nifi - Data routing, transformation, and system mediation logic
- Rapidcanvas - Data science platform
- Slang - Data processing tool
- Y42 - Data pipeline tool

3D & Visuals

- Plantarium - Procedural browser-based plant modelling [OSS]
- Alma - Digital playground for visual experiences
- Armory3d - Game engine for Blender
- Blackjack - Procedural modelling application [OSS]
- Blender - 3D graphics suite for multiple rendering engines [OSS]
- Cascade - Image editor [OSS]
- Chainer - Image processing GUI [OSS]
- ComfyUI - Design and execute advanced Stable Diffusion pipelines for AI image generation [OSS]
- Dynamo - Open Source Graphical Programming for Design [OSS]
- FFmpeg Explorer - Tool for exploring FFmpeg filters
- Gaffer - Application for lookdev, lighting and automation [OSS]
- Gimel Studio - 2D image editor [OSS]

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- Houdini - Procedural system for artists
 - Mixture - Unity plugin to create textures in realtime [OSS]
 - Natron - Compositing software for VFX and motion graphics [OSS]
 - Nodebox - App for visualization and generative design [OSS]
 - Nodes.io - Visual programming environment
 - Nodetoy - Shader tool
 - Notch - Motion graphics and interactive VFX in realtime
 - Origami Studio - UI design prototyping tool
 - Polygonjs - WebGL design tool [OSS]
 - Protograph - Procedural content generation [OSS]
 - Puredata - Visual programming language for multimedia [OSS]
 - Retrobatch - Batch image processing for macOS
 - VVV - Visual live-programming environment

Audio

- Audio Hijack - Audio recording and routing for macOS
- Audulus - Modular synthesizer and DSP environment
- Axiom - Realtime audio synthesizer [OSS]
- Bespoke - Modular synthesizer [OSS]
- Eternal - Audio and visual composition [OSS]
- Kronos - Visual & textual programming language designed for musical signals
- Max - Tool to create your own interactive software
- Ossia score - Sequencer for audio-visual artists [OSS]
- Reaktor - Modular digital signal processor
- Zupiter - Synthesizer

Scripting

- flojoy - No code Python programming
- Natto - Javascript environment
- noflo - Flow-based programming for Javascript [OSS]
- PyFlow - Visual scripting framework for python [OSS]
- Ryven - Visual scripting for python [OSS]
- Regex Nodes - Analyze and build regular expressions in your browser [OSS]

Misc

- Twine - Tool for telling interactive, non-linear stories