Building a SvelteKit blog with Typst

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Tags:

- [meta]
- [typst]

Motivation:

Having a blog to post and ramble on is cool.

Goals:

- It should use a markup format like Markdown or Typst, because writing HTML can be a pain.
- It should be versatile enough to implement things like a tagging system.

Implementation:

This website is built with SvelteKit. I looked up a guide for how people make Markdown blogs on SvelteKit and found this wonderful blogpost from Josh Collinsworth. I wanted to try using S could be.

Why not markdown?

Amazingly, simply adapting the guide to use @myriaddreamin/vite-plugin-typst for importing typst files, instead of the markdown equivalent, pretty much just works.

For tagging, I configured the plugin to get text from `<tag>` labels:

```
export default defineConfig({
  plugins: [
    sveltekit(),
    TypstPlugin({
      // the ts-node-compiler doesn't work with new Typst 0.14 HTML features like
typed HTML.
      compiler: "typst-cli",
      onResolveParts: (input, project, ctx) => {
        const res = checkExecResult(input, project.tryHtml(input), ctx);
        if (!res) {
          return {};
        }
        return {
          tags: project.query(input, {
            selector: "<tag>",
            field: "text",
          }),
        };
      },
    }),
  ],
});
```