

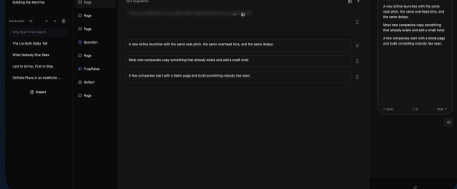
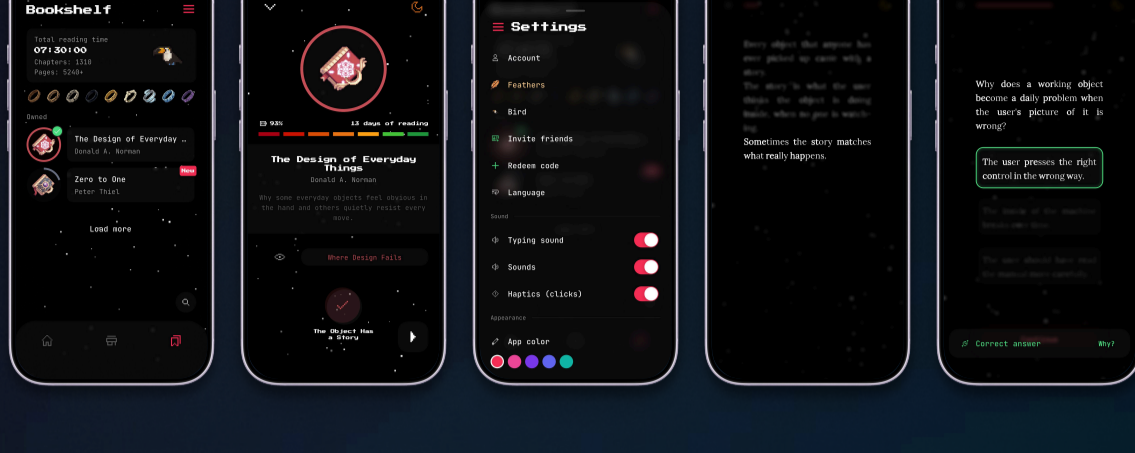
Personal Products & Projects (Released & Developed)



Readlock for iOS

Educational app that transforms technical non-fiction books into short narrative stories. It uses progressive text segment reveals with blurring of previous segments to reduce cognitive load. Designed to improve long-term retention and encourage more frequent reading.

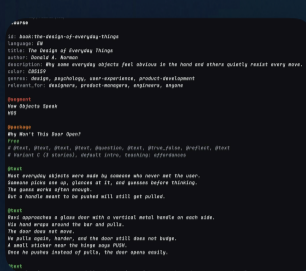
Built with Flutter, Firebase, Cloudflare and Flame for animations.



Lockie, the course editor for Readlock.

Narrative story creator and editor with a highly intuitive UX focused on rapid editing. It features a real-time preview of how the course would appear on an actual device.

Built with Vue 3, TypeScript, Vite, TailwindCSS, Pinia, and Firebase.



.rlockie, a custom line-based DSL.

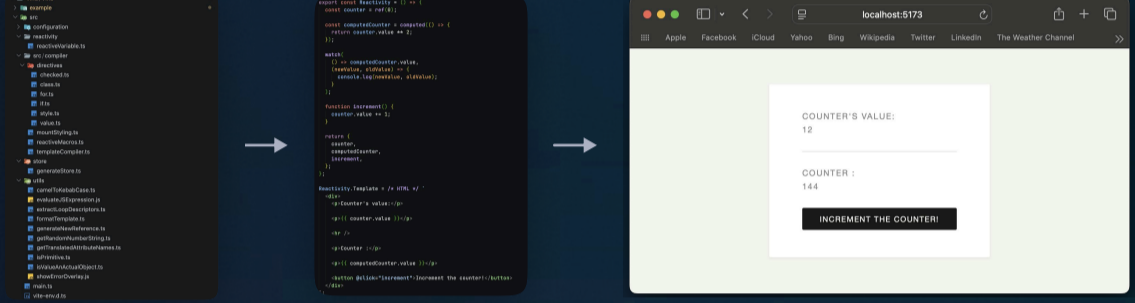
Designed to be highly readable when editing files directly while remaining easily parsable by the software. It features hierarchical coloring of "@" rules and supports property fields and various entities.

Includes an available Python linter.



Vind TypeScript SPA Framework

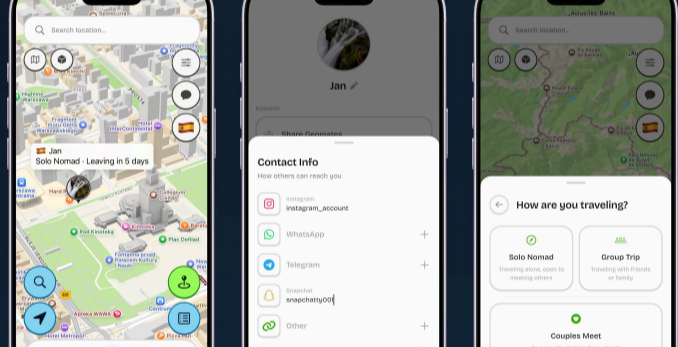
A TypeScript frontend framework built entirely from scratch with no external libraries. Every part of Vind was self-designed and not based on Vue's internal implementation, despite the visual similarities. The 100+ page thesis covers the template compiler, recursive reactivity system for arrays and variables, and global stores. The project took nearly six months to complete, resulting in a final build of just 14KB.



Geomates for iOS

Users "plant" a flag via the UI and then complete the creation process, leaving it active for a desired duration. Anyone can send connection requests to others. The app allows filtering by country to show only compatriots. It is strongly focused on UX and safety.

Built with Flutter, using Firebase and Cloudflare.



Techsplit VST3

A VST3 audio plugin that adds depth to heavy bass and other sounds while preserving their mono impact. It works by splitting the signal into channels and applying slight detuning to one side.

Inspired by Dieter Rams' design principles.



Festchat for iOS & Web

Social app for festival goers, mainly built around filtering event attendees by home country. Created in a short period, it included custom business cards, T-shirts, and stickers. It was promoted through guerrilla advertising abroad, with stickers still visible today in Google Street View in Hungary, Germany, and Poland.

Built with Flutter, Firebase, and Cloudflare, UI development was backend schema driven.



NPM Libraries

find-dom-nodes-by-content: a library for finding DOM nodes by their text content.

compare-shield: a library for safely comparing numbers using legacy operators like <= and >=.

apply-css-with-js: a small library for appending CSS style strings to the document body.



oldcraft.net

A childhood dream that came true during Christmas 2025. A Minecraft server that was my first marketing test with a 500 PLN ad budget generated around 100,000 views, 1,500 likes, and 500 saves proving a great conversion.

Built with AWS EC2, Node.js, working with legacy .jar files, uncommand YML configs, and scraping websites to find old files that are up to 14 years old.

