

Sam Pagenkopf

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Email: ssaampp@gmail.com

Fullstack Software Developer and Designer

Projects: <https://github.com/44100hertz>

Personal Site: <http://44100.xyz>

Skills

Web	Application	Media Creation	Misc
Javascript, React >16, HTML5, CSS, SVG, Svelte, Wordpress, Typescript, Node, CouchDB/NoSQL, Postgres/SQL	C, Go, Rust, Lua, GLSL Shaders, 6502 Assembly	Inkscape, Illustrator, Photoshop, GIMP, Video Editing, Graphic Art, Font Design, Game Graphics	Linux (10 years), Git, PC building, Excel, Word, Typing at 100wpm,

Work Experience

Center for Political Innovation, New York, New York – **Freelance Fullstack Developer** (2023-ongoing)

- Maintaining PHP API with queries for Wordpress content store
- Improving flexibility of Stripe Payment subscriptions
- Building interactive publishing in Next.JS React Frontend

OnePage Accounting LLC, Milwaukee, WI (defunct) – **Freelance Frontend Developer** (2020-22)

- Using React, React-router, React-table to port accounting software from Angular 1
- Working with CouchDB

Kids HandAid LLC, Milwaukee, WI – **Freelance WordPress Developer** (2021-22)

- Improving CSS formatting and responsiveness of pages
- Converting media and improving SEO

iLife INC, Milwaukee, WI – **Part-Time Respite Care** (2019-ongoing)

- Responsible for care of an autistic adult.

Software Projects

➤ **Stack.Recipes**

- Fullstack recipe creation and sharing software made with React, Next.js, and Prisma (t3 stack)
- Contributed to Prisma API routes, UX design, and React frontend

➤ **Fazeoid (Try Online!)**

- Live audio synthesizer in Svelte, with custom-made UI Components
- Designed UI/UX, created live audio synthesis in js, and created custom Piano component

➤ **Super Rogue (Play Online!)**

- Love2D game combining old school dungeon crawlers with SuperHot mechanics.
- Programmed 80% of game in 10 days, including all geometry, mechanics, and game design.

➤ **Dig (Play Online!)**

- Love2D platform game with touch controls

➤ **Nickmapper**

- Parser using Regex to convert a proprietary format into Lua
- Using Cairo to render map data to SVG or PDF

➤ **Online Fictional Computer**

- Text Editor web application written in vanilla JS
- Assembler composed of Lexer, Parser, and simple Compiler into binary
- Real-time emulator made in JS

➤ **Cactris**

- Tetris clone prototype for the NES written entirely in 6502 assembly

Education

B.S. Software Engineering 2015 - 2017

Milwaukee School of Engineering

Milwaukee, WI