Kaniel KIRBY
Web Developer | TypeScript / React / Django

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Web Developer with Full Stack experience. Lifelong learner. Mastered diverse technologies from React to Django. Strong portfolio in several facets of the development pipeline, featuring everything from a complex chat application to a pseudo e-commerce platform built as a team. Besides my technical skills, I'm an musician with an interest in privacy and security.

SKILLS

Languages	HTML, CSS (**Tailwind**, SCSS), JavaScript (**TypeScript**, Node, ES6), **Golang**, Python
Frameworks	**React**, **Vue**, Django, Astro
Other Technologies	**PostgreSQL**, **MySQL**, Prisma, Drizzle, Firebase, Supabase, Redis, **Git**, **Docker**

PROJECTS AND LEADERSHIP

Banter Chat App   SEPTEMBER 2023
github.com/kanielrkirby/banter

> Integrated Web Sockets to facilitate instant messaging and improve user experience in real-time chat.
> Leveraged Django ORM for efficient database operations, ensuring optimized queries and seamless data management.
> Learned Object-Oriented Programming techniques for modularity, reusability, and maintainability.
> Mastered intricate Docker environments, streamlining deployment processes for development and production setups.

`Django` `Vue` `Docker` `Websockets` `Figma` `Pinia` `NPM`

Polychrome Palette Generator   SEPTEMBER 2022
github.com/kanielrkirby/polychrome   https://kanielrkirby.github.io/polychrome/

> Mastered HTML, CSS, and TypeScript after developing a custom design in Figma.
> Crafted custom solutions for routing, modals, and popovers, using 0 external libraries.
> Implemented color theory algorithms for palette generation and color adding mechanics.

`TypeScript` `HTML` `CSS` `PostCSS` `JavaScript` `Figma` `Yarn`

Bazaar Marketplace   FEBRUARY 2023
github.com/kanielrkirby/bazaar

> Led the design and development of the front end utilizing Figma to craft accessible designs for mobile / desktop.
> Delved deep into React / Tailwind, learning libraries (React Query, React Router, etc.) and best practices.
> Actively collaborated with a team of 2 back-end engineers, used Git, Figma, and Notion to keep efforts in sync.

`React` `TypeScript` `TailwindCSS` `NestJS` `Node` `NPM`

Rediss Redis Clone   OCTOBER 2023
github.com/kanielrkirby/rediss

> Developed Rediss, a Redis replica, using Go, in a challenging week-long competition with a colleague.
> Acquired in-depth knowledge in TCP servers, RESP protocol, and AOF persistence.
> Delved into Go's unique features, such as managing concurrency using channels for efficient parallel processing.
> Leveraged a Makefile to automate project build processes and streamline the development cycle.
> Used unified monorepo for client, server, and shared packages, ensuring organized and smooth development process.

`Go` `Cobra` `Concurrency` `TCP` `RESP` `Make` `Monorepo`

Portfolio   AUGUST 2023
github.com/kanielrkirby/portfolio   https://kanielrkirby.com/

> Successfully migrated from React to Astro, using Astro's server-side rendering and partial hydration.
> Incorporated ThreeJS to recraft an immersive 3D background using React Three Fiber and regular Three.
> Implemented tree-shaking techniques and file compression to effectively reduce load times.
> Employed Google Lighthouse for accessibility and performance enhancements, ensuring a smooth user experience.

`Astro` `React` `TailwindCSS` `ThreeJS` `Treeshaking` `Accessibility` `SSR` `Google Lighthouse`

EDUCATION

2021	High School Diploma - 3.0 GPA, member of music group Revolution for 2 years, Orchestra for 7 years.
2022	Certifications : Responsive Web Design, JS Algorithms / Data Structures, and FE Libraries - freeCodeCamp.