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	JavaScript **TypeScript**, **Golang**, **Python**, HTML, CSS, Tailwind, SCSS
Frameworks	**React**, **Vue**, Django, Astro
Databases	**PostgreSQL**, **MySQL**, Prisma, Drizzle, Firebase, Supabase, Redis
Tools	**Git**, **Docker**, **NeoVim**, **VSCode**, Visual Studio, IntelliJ

PROJECTS

BANTER CHAT APP   SEPTEMBER 2023
github.com/kanielrkirby/banter

> - Implemented **real-time messaging**, enhancing chat experience with instant user interaction and notifications.
> - Streamlined **data handling and storage** with Django ORM to optimize the development experience.
> - Focused on **maintainability and best practices** to ensure the application is easy to build upon in the future.
> - **Simplified and optimized** the app's launch and **deployment** process using advanced Docker container technology.

Python | Django | Django ORM | Vue | Docker | Websockets | Figma | Pinia | Git | NPM

POLYCHROME PALETTE GENERATOR   SEPTEMBER 2022
github.com/kanielrkirby/polychrome   kanielrkirby.github.io/polychrome

> - Developed **in-house solutions** for routing, modals, and popovers, using **0 external libraries** to maximize customization.
> - Designed a **user-friendly** color palette tool, building essential web design and development skills in the process.
> - Integrated **color algorithms** for generating colors, and "**common sense**" **hotkeys** for quick and easy use.

TypeScript | Figma | Yarn | Git | HTML5 | CSS | PostCSS

BAZAAR MARKETPLACE   FEBRUARY 2023
github.com/kanielrkirby/bazaar

> - **In charge of design and development** of the front end, utilizing Figma to ensure great look and feel on **all devices.**
> - Used **modern web technologies** like React, learning best practices through experience and documentation.
> - Collaborated effectively with **2 back-end engineers**, using Git, Figma, and Notion to keep development efforts in sync.

React | TypeScript | NestJS | Figma | TailwindCSS | Git | Node | NPM

REDISS REDIS CLONE   OCTOBER 2023
github.com/kanielrkirby/rediss

> - **Recreated** Redis, a **popular, in-memory database**, during a challenging, week-long competition with a colleague.
> - Mastered complex **server and data-storage technologies**, like TCP servers, RESP protocol, and AOF persistence.
> - Utilized Go's unique **concurrency model** to enhance data processing speed and efficiency.
> - Followed a **unified project structure** for all components to optimize and **organize the development** process.

Go | Concurrency | Redis | TCP | RESP | Cobra | Make | Monorepo | AOF | Git

PORTFOLIO   AUGUST 2023
github.com/kanielrkirby/portfolio   kanielrkirby.com

> - Transitioned to a cutting-edge web framework, Astro, and Google Lighthouse, for **website performance / accessibility**.
> - Incorporated **interactive 3D elements** using ThreeJS for an engaging visual background.
> - Applied **optimization techniques** like treeshaking and file compression to reduce load times.

Astro | React | ThreeJS | SSR | Google Lighthouse | Treeshaking | TailwindCSS | Git | Accessibility

EDUCATION

2021	Cooper High School Graduate
2022	Courses : Responsive Web Design, JS Algorithms / Data Structures, and FE Libraries - freeCodeCamp.