

Spencer White

Software Engineer | New York, NY

(919) 360-5359 | spencerffwhite@gmail.com | github.com/sffw | linkedin.com/in/spencerffwhite/

SKILLS

JavaScript (ES6+), TypeScript, Python, React, React Router, Redux, Angular, NextJS, Sass+CSS, HTML, Node, Express, Loopback, Webpack, Git/GitHub Flow, NoSQL, SQL, Jest, Cypress, Docker, Kubernetes, Prometheus, Grafana, GitHub Actions, Linux, Google Cloud, AWS

EXPERIENCE

KubeHawk (Open-Source) | Software Engineer **Feb 2023 - Present**

- Developed a Kubernetes Security Monitor focused on visualizing Roles Based Access Controls (RBAC) data for administrators managing extensive user groups
- Leveraged Next.js with React that utilized server-side rendering and optimized routing to improve dashboard performance
- Incorporated Prometheus to gather performance indicators and Grafana's powerful visualization tools to transform complex data into easily digestible insights
- Initialized and maintained cloud-hosted clusters using Google Cloud and AWS to test and implement monitoring functionality across various cluster types

Talking Songs | CEO **2021-2023**

- Oversaw all elements of the business including operations, fundraising, content delivery and development
- Managed workflow for a team of developers building and deploying a cross-platform full stack mobile application that offered music therapy tools for neurodivergent children using Flutter and Firebase
- Worked with team to build custom CMS in Angular for music therapists and administrators to upload and edit content, as well as view key metrics
- Using agile methodology, worked closely with a design team to develop user stories, personas, and generate an epic backlog for the engineering team

Voices Together | Director of Technology and Operations **2020-2022**

- Streamlined infrastructure for non-profit organization, adjusting service delivery from in-person to virtual for services in dozens of classrooms across 14 school districts in North Carolina
- Collaborated with Cisco to generate a custom SDN deployment solution to enhance connectivity and optimize network performance for students in rural areas

Craft Progress | Consultant **2017-2020**

- Provided operations, hiring and fundraising support for nonprofits and advocacy groups

Democratic Party, Human Rights Campaign, GRSG | Campaign Manager, Data Director, Field Organizer **2008-2016**

- Built voter turnout models that incorporated demographic and consumer preferences

PROJECTS (OPEN SOURCE)

Gather | Next.js, React, Express, Redux toolkit, Node, SQL, Jest

An App for friends to gather at a midpoint location that's convenient for everyone

- Stored and managed user data, including geo-location information, in an SQL database, ensuring efficient retrieval and organization of user information and location-based preferences
- Implemented authentication to allow users to build a list of previously visited locations

WeatherBeats | React, Express, Node, Bulma, NoSQL

A weather-based playlist generator

- Designed a weather-responsive full-stack playlist generator utilizing Axios for asynchronous calls to curate unique playlists tailored to user preferences and current weather conditions
- Applied Redux toolkit for efficient state management and leveraged a NoSQL database for storing query results

HouseBlend | React, Express, Node, Redis, SQL, AWS RDS

Using 2018 Harvard Business School Study, generated an algorithm that successfully correlates real housing market indicators to regional coffee shop density

- Employed async functionality to return results to users promptly while simultaneously storing in redis cache and sql database

EDUCATION

Duke University | Master of Public Policy

Hunter College | Bachelor of Arts