

Sifundo Mhlungu

Seeking a position as a Front-end Developer in a professional setting that will enable me to learn new skills and have the ability to utilize the ones I have through my education and experience.

Contact

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+2769 040 1609

<https://skmportfolio.vercel.app>

Skills

Technical

HTML & CSS

JavaScript

Typescript

React

Next js

Ionic

Parcel

Pullstate

Chart.js

framer-motion

web workers

Capacitorjs

ml5

Neutralinojs

Experience

Front-end Developer

Sep 2022 – Current

Bokke.

Developing a desktop software to load, manipulate and fit ML models to tabular data at a click of a button.

- Utilizing HTML, CSS and JavaScript to develop the front-end, and ml5 to train, fit and save models for use in the web.
- Implemented the MVC and Reactive patterns to establish connection between views and model, and create dynamic elements.
- Utilized the parcel bundler to bundle the front-end, and neutralinojs to present it as a desktop software.
- Abstracted Bokke from an npm module to a GUI.
- live demo: <https://bokke2-0.vercel.app/>

React, Next js, Ionic Mobile developer

March 2022 – Aug 2022

Pam.

Developed an allergy tracker Mobile app for a client, to record, predict and track potential allergy triggers.

- Utilized Tailwind css and Next js to build custom reusable React components.
- Implemented Ionic best practices and utilized Ionic components to achieve near native performance.
- Implemented charts using chart.js to communicate and interpret the data and findings.
- Utilized Ionic storage to efficiently persist and retrieve data.
- Managed complex state in multiple components with Pullstate.
- Created efficient and optimized animations with framer-motion.
- Utilized Capacitorjs to package the app to an android signed and installable apk.

Other skills

Design patterns

Js bundlers

Data Visualization

Git

Npm

Experience

Library Developer

Oct 2021 – Sep 2022

Bokke.js.

Developed a JavaScript module to load, manipulate and visualize tabular data.

- Implemented the entire module in Typescript utilizing ES6 features for robust and maintainable code.
- Utilized web workers extensively to isolate and process large data, efficiently avoiding blocking the main thread.
- Utilized git for version control and npm to publish the module.
- link: <https://www.npmjs.com/package/bokke.js>

Technical Writer

April 2021 – Current

Dev.to

Occasional Technical writer on dev.to with over 8000 reads for 28 posts.

- <https://dev.to/sfundomhlungu>

Education

University of Kwa-Zulu Natal 2018-2020

BSS in Criminology and Philosophy