William Blacknall

Software Engineer

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Task-oriented software engineer with the ability to critically think through problems, learn new languages and implement them in a short amount of time. Prior to being a software engineer, I designed curriculums and lesson plans as a science teacher on a team that served non-native English speaking students.

Software Development Skills

- Debugging, JavaScript, Python, Node.js, Express, PostgreSQL, PGPromises, Bootstrap, Bulma.CSS, CSS Grid, HTML, CSS, AWS(EC2, Route 53), ReactJS, JQuery, NextJS

Education

Georgia Southern University | B.S.Ed in Education Math/Science | Statesboro, GA   Aug 2013 - Dec 2017

DigitalCrafts | Certificate in Software Engineering | Atlanta, GA   Aug 2019 - Dec 2019

- Software engineering training program covering full-stack development including, but not limited to JavaScript, Python, including an emphasis on cutting-edge frameworks like React/Redux and server-side technologies including Node.js, Express, and PostgreSQL.

Software Development Portfolio

MyVitalog | myvitalog.com | https://github.com/BlacknallW/NutritionProject   Oct 2019

- Member of 3-person team with role as UI/UX Designer, Styler, and Navigational Functionality.
- Interactive health and nutrition website designed to help users keep track of their calorie and nutrient intake, featuring usage of USDA food search API for nutrition information. Users are able to create an account, log in, and log their meal sessions.
- Built with Node.js, Express, PostgreSQL, and BulmaCSS.

NSAmericas | nsamericas.com | https://github.com/BlacknallW/Frontend-React-Refactor   Nov 2019

- Member of 3-person team with role as UI/UX Designer, Navigation, Styling, and Functionality Developer.
- Interactive travel website offering information on travel destinations in Brazil and the US, featuring five day weather forecasts per location, and currency exchange calculator for travel based on country of origin.
- Built with ReactJS and BulmaCSS.

FridgeScavenger | fridgescavenger.com | https://github.com/BlacknallW/react-fridgescavenger-project Dec 2019

- Lead Designer/Developer (Solo Project).
- Recipe generating website using Spoonacular's API, designed to allow users to input ingredients they own to generate recipe suggestions, featuring classic recipe search and ingredient-based recipe search.
- Built with NextJS, BulmaCSS and ReactJS.

Professional Work Experience

Gwinnett County Public Schools | ESOL Team Science Teacher | Lawrenceville, GA   Jul 2018 - Jul 2019

- Collaborated with curriculum members to exchange materials and discuss best methods to further student learning, and personally created curriculum materials that were used across the grade-level to address the needs of diverse learners
- Monitored student academic growth and reviewed achievement data to create a plan of action to address and improve student strengths and weaknesses, and effectively instructed and communicated with non-native English-speaking students, resulting in academically outperforming grade-level teams with predominantly native English-speaking students.