

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 curriculum and lesson plans as a science teacher on a team that served non-native English speaking students.

Software Development Skills

- JavaScript, Python, Node.js, ExpressJS, PostgreSQL, HTML, CSS, AWS, ReactJS, JQuery, NextJS, Linux, MongoDB

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.

Certifications

Amazon Web Services Certified Cloud Practitioner

June 2020 - June 2023

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.

FridgeScavenger | fridgescavenger.com | <https://github.com/BlacknallW/react-fridgescavenger-project> Feb 2020

- 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, ReactJS, and Node.js

Professional Work Experience

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

- Tasked with creating custom curriculum resources for 6th grade Science curriculum, contributing to an 11% rise in student Science proficiency compared to the previous year.
- 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.