ANGELA MCBYRD, Fullstack Developer

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SUMMARY

I am a Fullstack Developer who is proficient in HTML, CSS, and JavaScript. I have seven years of experience creating and teaching curriculum for math and science at the middle and high school levels, which helps me logically and creatively solve problems. I have an interest in crafting educational technology for educators, which ensures that my web applications are efficient for teachers, beneficial for students, and user-friendly.

TECHNICAL SKILLS

Front-End Skills: JavaScript, HTML, CSS, Bootstrap, React with hooks and functional components
Back-End Skills: Node, Express, RESTful APIs, PostgreSQL, Knex
Additional Tools: GitHub, Visual Studio Code, NPM, Agile Methodology, Testing, Mocha, Chai, Postman, Vercel

PROJECTS

Flashcard Application | Project Link
- Developed an app that allows a user to create, edit, and study a deck of flashcards
- Application allows a user to study individual decks and makes use of full CRUD operations on the cards and decks
- Tech Used: React.js w/ hooks, state management, React Router, RESTful API

Pomodoro Timer | Project Link
- Developed a Pomodoro timer app with intervals tailored to the user's needs
- Application allows the user to change the intervals and plays an "alert" when user has reached the end of a session
- Tech Used: React.js w/ hooks and statement management

RELEVANT EXPERIENCE

HIGH SCHOOL STATISTICS TEACHER   Chicago, IL
Mansueto High School, Noble Charter Network   August 2019 – Current
- Design and plan lessons that establish a link between statistics and social justice issues and require students to think critically, analytically, and worldly
- Provide differentiated instruction and modified lessons to strengthen the learning process
- Implements culturally relevant lessons that adhere to the AP Statistics Exam

HIGH SCHOOL GEOMETRY TEACHER   Amherst, VA
Amherst County High School, ACPS   August 2017 – June 2019
- Created effective culturally relevant and real world based mathematical curriculum for high school students
- Increased student engagement through use of a flexible classroom and management skills
- Assessed and tracked student learning and growth throughout the year through data analysis software

EDUCATION

Certificate, Software Engineering | *Thinkful*   September 2021
- Built interactive, React applications that integrate with APIs and implements client-side routing

MEd, Mathematics Curriculum and Instruction | *Concordia University - Portland*   December 2016
- Created and implemented a culturally responsive mathematics curriculum

B.S, Mathematics | *Oglethorpe University*   May 2012
- Research project: Neural Networks in Stock Market Predictions
- Research project: Handwriting Identification via Wavelet Decomposition