

SYSCILY BROWN

Software Engineer



214.986.3104



syscily.brown@gmail.com



www.linkedin.com/in/syscilybrown

PROFILE

Results-driven developer with extensive experience in full-stack development, specializing in the MERN stack (MongoDB, Express.js, React, Node.js), JavaScript, TypeScript, and Python. Proven expertise in cloud computing (AWS) and agile methodologies. With over 10 years of K-12 math teaching experience, I am passionate about leveraging technology to enhance educational outcomes. Dedicated to continuous learning and utilizing emerging technologies to drive innovative edTech solutions. Seeking opportunities to combine my educational background and technical expertise to contribute to transformative projects in a dynamic work environment.

SKILLS AND QUALIFICATIONS

- JavaScript
- TypeScript
- Python
- PostgreSQL
- MongoDB
- Express.js
- React
- Node.js
- Cloud Computing (AWS)
- jQuery
- Data Analysis
- Curriculum Development

CAREER EXPERIENCE

Full Stack Developer | TechLeap | Remote

May 2024 – Present

Served as a developer to create a user-friendly travel app utilizing AI to generate custom itineraries based on user preferences

- Utilized Adalo as a no-code platform to build the backend, streamlining development processes
- Collaborated with project manager, UX designer and UX researcher to map out MVP scoping
- Worked closely with UX/UI designers using FigJam to ensure a seamless and intuitive user experience
- Tested and debugged the app to ensure smooth performance and reliability
- Documented development processes, including integration methods, data handling, and user interface specifications

Full Stack Developer | Transparent Salary Project | Remote

December 2022 – May 2024

Served as full stack developer for the Transparent Salary Project to create user-friendly websites that were responsive, accessible, and easy to use

- Developed responsive and accessible user-friendly websites
- Collaborated with UX Designers to create landing pages using HTML, CSS, JavaScript, jQuery, and CMS tools
- Researched and integrated free and paid API plugins; developed custom APIs for educational resources
- Built WordPress websites with integrated front-end HTML, CSS, and JavaScript, adhering to branding guidelines and UI/UX team directives
- Documented asset needs including API endpoint URLs, request/response formats, error codes, and usage instructions to ensure seamless backend integration

STEM Teacher | District of Columbia Public Schools | Washington, D.C.

July 2022 – Present

Served as 3rd, 4th, and 5th grade STEM Teacher

- Designed and implemented engaging and interactive lesson plans, focused on developing critical thinking and problem-solving skills
- Fostered and nurtured strong, personalized relationships with a diverse range of stakeholders, including students, parents, and colleagues, offering tailored support and guidance as required
- Utilized data analysis and visualization tools to assess student progress and customize teaching strategies, resulting in a median progress improvement of 119%
- Demonstrated exceptional written and verbal communication skills, facilitating seamless coordination with both internal and external teams

STEM Specialist, Teacher | The Equity Project | New York, NY

July 2018 – July 2021

Served as the Lead Math Educator for the instructional team, spearheading comprehensive curriculum delivery across the STEM umbrella

- Facilitated biweekly professional development workshops aimed at supporting grade teams in enhancing their data analysis skills.
- Achieved up to 35% growth in classroom performance across three classrooms through tailored teaching approaches and data-driven strategies
- Led weekly grade team meetings focused on inquiry-based Math content exploration and collaboration, fostering alignment and effectiveness in teaching practices.

SELECTED PROJECTS

NomadAic | [DEMO](#)

Technologies: Figma, Adalo, OpenAI-ChatGPT

An AI-powered mobile app used to automate itinerary generation for a tailored and hassle-free planning experience

- o Utilized OpenAI-ChatGPT to deliver personalized trip suggestions based on user preference
- o Designed a modern, user-friendly interface using Figma and Adalo, enhancing user engagement and satisfaction through smooth navigation and interaction
- o (Future Development) Designed to incorporate real-time data for accurate price estimates on flights, accommodations, activities, and transportation, facilitating seamless booking within the app

NutriRecipe | [HTTPS://NUTRIRECIPE-SB.COM](https://nutrirecipe-sb.com)

Environment: React, JavaScript, Bootstrap, Material-UI, Framer Motion, Spoonacular API

A web app enabling users to easily search and save recipes based on ingredients and macronutrients.

- o Designed a clean and modern UI with React-Bootstrap, Material-UI, and Splide improving user engagement and satisfaction
- o Leveraged Spoonacular API to provide users with easy access to detailed recipe information
- o Streamlined the organization of favorite recipes, offering a user-friendly search experience based on ingredients and nutritional requirements
- o Integrated Spoonacular API seamlessly into the server-side using fetch for making HTTP requests, JavaScript for client-side scripting, and React Hook Form for efficient form submissions
- o Utilized RESTful API practices to provide users with customizable recipe options

EDUCATION

[AWS Cloud Training](#) | Women's Empowerment Institute | Remote

June 2023

[Full Stack Development Bootcamp](#) | Springboard | Remote

January 2022

[Master of Arts Teaching](#) | Relay Graduate School of Education | New York, New York

September 2017

[Bachelor of Science Human Development](#) | Howard University | Washington, DC

May 2015

CERTIFICATIONS

[AWS Certified Cloud Practitioner](#)

July 2023