

Lydia Bandy | Full-Stack Engineer

Address: Baltimore, MD, United States

Email address: LydiaBandy@gmail.com

Webpage: www.LydiaBandy.com

Portfolio: <https://github.com/LydiasPianoStudio>



Career Objective

Experienced and versatile Full-Stack Web Developer adept in MERN Stack development, Web Design, and WordPress, with a proven track record of success. Proficient in HTML, CSS, JavaScript, Python, React, Typescript, UI/UX Design, MongoDB, and SQL. Demonstrated ability to troubleshoot and optimize projects, with a strong aptitude for problem-solving. Passionate advocate for women in tech, leveraging 25 years of entrepreneurial experience in the music industry. Seeking dynamic opportunities as a Full Stack Engineer to spearhead cutting-edge and intuitive applications.



Skills

- Proficient in HTML/CSS, JavaScript (frontend and backend), React, Node.js, Express.js
- Experienced in RESTful APIs, database management (SQL, MongoDB), Git and version control
- Familiar with Typescript, Python
- Experienced in logo design, frontend UI/UX design, responsive web design, cross-browser compatibility
- Skilled in WordPress, SEO, Vite, Chat GPT, virtual assistant technologies
- Active listener and concise communicator promoting effective clarity
- Excel in collaborative settings, adaptable to different team dynamics
- Strong sense of initiative and proactive problem-solving
- Proficient in organized and structured task execution
- Demonstrates leadership qualities, skilled in delegation and decision-making.



Web Development Projects

"Johnny 5 is ALIVE!": MERN Stack AI ChatBot:

<https://github.com/LydiasPianoStudio/MERN-AI-ChatBot-App> January 2024

- Built a MERN Stack chatbot app emphasizing Typescript for code readability and maintainability.
- Engineered Custom Authentication with JWT and HTTP-only cookies.



Web Development Projects

- Applied Express-Validators Middleware for robust data validation.
- Handled MongoDB Database for efficient data storage and retrieval.
- Implemented User Session Management for an enhanced user experience.
- Seamlessly integrated OpenAI for advanced language models.
- Contributed to GitHub source code, updating OpenAI documentation for "chat completion requests" in node.js.
- Crafted a modern React app using Vite for improved development speed and performance.
- Integrated Material UI for a visually appealing chat interface.
- Employed industry-standard tools like Postman and Chrome DevTools for testing and debugging.

Hangman Game - "The Office" Edition:

<https://lydiaspianostudio.github.io/Hangman-Game/> October 2023

- Created and designed an interactive Hangman Game inspired by "The Office."
- Crafted a responsive and user-friendly game interface using HTML, CSS, JavaScript, and ChatGPT.
- Incorporated dynamic content updates for an engaging gameplay experience on various devices using animated pictures and GIFs
- Utilized Git and GitHub for efficient collaboration and code management.



Professional Experience

Website - www.AlbertBandy.com

Webmaster, Site Administrator Sept. 2023-Present

- Undertook the end-to-end development, hosting, and management of a visually captivating website dedicated to showcasing the intricate intarsia woodworking projects of my father, Albert Bandy.
- Utilized Visual Studio Code to develop the website, employing HTML and CSS to produce an engaging and user-friendly interface.
- Established a unique DSN connection from GitHub to GoDaddy's domain, ensuring seamless hosting and optimal performance of the website.
- Researched and enforced effective SEO strategies, driving client's website to top searches and



Professional Experience

enhancing its visibility on the web.

- Acted as a Virtual Assistant, leveraging modern technology and social media to boosting client's crafted pieces on Etsy, thereby imparting to increased visibility and sales.

Website - www.LydiasPianoStudio.com

Webmaster, Site Administrator Oct. 2022-Present

- Leveraged WordPress to recreate an engaging online platform, transitioning from Joomla after 11 years.
- Crafted a visually appealing logo and designed web pages to showcase web development certifications, skills, projects, and music business.
- Implemented UI/UX design with CSS and HTML for a responsive and user-friendly experience.
- Ensured ongoing management, maintenance, and troubleshooting of the website.



Certifications and Education

03/2023 – PRESENT REMOTE

Full-Stack Web Development

Sololearn

- Web Development, HTML, CSS
- JavaScript, Python, SQL

09/2000 – 05/2004

WESTMINSTER, UNITED STATES

Music | Bachelor of Arts

McDaniel College

- Earned placement on the Dean's List, showcasing academic excellence.



Other Work Experience

01/2000 – PRESENT

WESTMINSTER, UNITED STATES

Founder / owner

Lydia's Piano Studio

- Successfully operated an award-winning private music lesson business for over 25 years.

01/2000 – PRESENT

WESTMINSTER, UNITED STATES

Freelance

Pianist & Harpist

- Music leader at St. Matthew's UCC, Maryland since 2013 and harpist for Bridging Life Hospice in Maryland since 2019.
- Released "Piano Pearls" Album on renowned streaming platforms like Spotify.



Awards

05/2000

Valedictorian

Littlestown Chrstian Academy

- Attained highest academic honor in graduating class with a 4.0 GPA.

09/2022

Carroll's Best in Music Lessons

Baltimore Sun

- Voted Carroll's Best for Music Lessons by Carroll County and honored by General Assembly of Maryland.



Volunteering

01/2015 – 01/2019

FORT MEADE, UNITED STATES

Entertainer

USO

- Organized entertainment for the military personnel as a lounge volunteer and provided piano entertainment for the troops.

05/2022 – PRESENT

WESTMINSTER, UNITED STATES

Board Member and Social Media Director

Carroll Music Teachers

- Spearheaded the development and provided leadership as a board member.
- Oversaw and implemented social media platforms to advance organizational initiatives.



Professional Links



Lydia Bandy



Lydia Bandy



Lydia's Piano
Studio