

HENRY CARDENAS

FULL STACK SOFTWARE ENGINEER

SUMMARY

Full Stack Software Engineer with 10+ years of education experience.

Prior to transitioning to software engineering, I spent more than 10 years as an educator. I developed curriculums and led professional workshops that integrated music technology and digital literacy into the Common Core curriculum. During this time, I had inspiring, and at times, exhausting experiences that led me to develop a passion for tech engineering. I discovered that I loved creating smart user interfaces, developing rich web experiences, and resolving problems on websites and applications.

I am a versatile, self-starter who can quickly develop new technical skills and thrive in environments that foster collaboration, communication, organization, and enthusiasm.

CONTACT

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EDUCATION

Aug. 2022 to Dec. 2022
Fullstack Academy Web Development Bootcamp
Software Engineering Certificate Full-time, Full Stack Software Engineering Immersive

Aug. 2016 to Dec. 2019
The University of Iowa
Bachelors of Arts Elementary Education

EMPLOYMENT

Chicago Public Schools

Dual Language Humanities Teacher

Chicago, IL
Jan. 2020 to Aug. 2022

- Designed a dual language (English & Spanish) instructional program that exhibited and applied knowledge of the curriculum content in English and Spanish Language Arts and Social Science, and integrated those curricular elements with music technology.
- Established positive learning expectation standards for all pupils, and evaluated pupils' progress and maintained current and accurate records and data of pupils' achievements.
- Participated in IEP meetings, professional development workshops, professional learning communities, and grade level meetings to improve instructional practices with coaching and feedback.

The John F. Kennedy Center

Workshop Leader

Chicago, IL
Mar. 2018 to May 2022

- Guided professional development workshops for teachers that focused on integrating digital music technology into the general music and English Language Arts curriculum.
- Identified out of 120 participants, 90-100% rated the workshops as excellent, and over 85% found the content presented relevant and useful to them in the classroom.

Hancher Auditorium

Audio Engineer/Production Assistant

Iowa City, IA
Aug. 2016 to June 2019

- Responsible for live performance sound engineering, and operation and maintenance of intercom systems.
- Assisted in planning, executing and supporting Hancher events.

Building Beats

Music Technology Lead Instructor

Brooklyn, NY
Sept. 2014 to Feb. 2016

- Participated in the development and implementation of a music technology curriculum for an OST after-school program.
- Led music technology and digital music production instruction for all student participants, inclusive of fifth grade through twelfth grade that instilled entrepreneurship, leadership, and life skills in New York City's low-income and minority youth.

PROJECTS

VIBE

Nov. 2022 to Dec. 2022

- Developed a music social media single-page web application where users can connect by listening to other user's top Spotify playlists, artists, and tracks, and post comments on each other's walls in realtime.
- Implemented authentication techniques to protect user data and give user specific access.
- Key technologies used in development include React for front-end rendering of UI components, Tailwind for styling, Axios for fetching user data from Spotify Web API, Supabase for user authentication, back-end queries and database management, and Javascript to execute code.

Grace Shopper Record Shop

Nov. 2022 to Nov. 2022

- Programmed an e-commerce single-page web application where guests and users with accounts can browse and filter through products, add products to a persistent cart, purchase items from their cart, edit their user information, and see their order history.
- Implemented authentication techniques to protect user data and give user specific access.
- Key technologies used in development include React for front-end rendering of UI components, Redux for managing application state, Axios for fetching product data from the API, CSS for styling, Javascript to execute code, and PostgreSQL for database management.

radio.wav

Nov. 2022 to Nov. 2022

- Developed a radio streaming web application that streams global radio stations based on user input. A global radio station is randomly selected and streamed based on the music genre filter the user selects.
- Key technologies used in development include React for front-end rendering of UI components, Tailwind for styling, Axios for fetching radio data from the API, and Javascript to execute code.

SKILLS

LANGUAGES: Javascript, HTML, CSS, SQL

FRAMEWORKS: Next.js, Tailwind, Bootstrap, Material UI

LIBRARIES: React, Redux, Redux Toolkit

BACK END: Node.js, PostgreSQL, Sequelize, MongoDB

HOSTING SERVICES: Supabase, Render

PREFERRED ENVIRONMENT TOOLS: VS Code, Git

FLUENT LANGUAGES: Spanish