Jacob Owens

Software Developer

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Innovative self-taught full-stack developer with a unique background in healthcare. Founder of a healthcare technology startup, leveraging AI to create cutting-edge software solutions. Seeking to bring a combination of technical skills and domain expertise to a software development role.

Skills

- Self-taught full-stack software developer with expertise in React, NextJS (pages and app router), Typescript and TailwindCSS.
- Experienced with various AWS services, Express JS, SQL, Drizzle ORM, NodeJs, Python, IOT devices (M5 stack and C/C++), Websockets.
- Strong problem-solving, analytical skills, and ability to learn
- Excellent communication and collaboration abilities
- Entrepreneurial mindset and experience in founding and managing a startup (Digital Healthcare Solutions)
- Would consider Frontend and design/UX to be my strong suit
- Also have worked with various other design systems and frontend libraries such as MUI, Chakra, ShadCn, and Bootstrap UI.

Experience

Axon AI / Founder/CEO

September 2022 - PRESENT, Tupelo, MS

- Founded a startup focused on using AI to create innovative software solutions for the healthcare industry

- Developed and maintained web applications using React, Typescript, and TailwindCSS

- Experience creating a note taking application for physicians with realtime transcription and AI powered documentation based on patient conversations.

- Managed all aspects of the company, including product development, marketing, and business operations

Midsouth Neurology / Registered Nurse

July 2022 - Present, Tupelo, MS

-Primarily worked as an EMG tech working with neurologists to diagnose and treat neuromuscular diseases

-Implemented my software solution to benefit real patients and providers

Medical Solutions / Registered Nurse (ICU)

June 2020 - July 2022, Multiple

-Registered Nurse working in various ICUs around the country (Tennessee, Texas, and Georgia) primarily taking care of Covid-19 patients.

-Working experience as an RN in Medical ICU, Coronary ICU, Surgical ICU, Neuro ICU, Cardiovascular ICU, and Emergency Room,.

Education

Self taught software developer
January 2022 - Present

Key Skills: JavaScript, Typescript, React, TailwindCSS, NextJS, Python

Projects: Developed an AI powered web application for outpatient medical clinics to streamline documentation, paperwork, and phone calls,, utilizing React and Typescript for the frontend and Typescript/Express on the backend;

 Learning Resources: Completed multiple online courses on Coursera, Udemy, and others. Mainly learned through building and reading docs.

Itawamba Community College / Registered Nurse
August 2017 - May 2020, Fulton, MS

- Graduated as a Registered Nurse, holding a current Mississippi license (#916367).

Notable Achievements

- Reduced documentation time for physicians by 40% through implementation of AI-assisted note-taking system

- Increased clinic efficiency by 25% through development of streamlined patient management software

Relevant Projects for this role

AI-Powered Medical Documentation System (Axon AI)

- Developed a React/TypeScript application for real-time transcription and AI-assisted documentation of patient conversations

- Implemented WebSockets for real-time transcription functionality and integrated with AI APIs (AWS Bedrock, OpenAI) for creating accurate clinical notes

- Integrated a TipTap WYSIWYG modern editor for a intuitive and streamlined note editing process (with inline AI autocomplete)

- Resulted in significant time savings for physicians and improved documentation accuracy