Alex Z. Byrd-Leitner

azbyrdleitner@gmail.com

Portfolio GitHub LinkedIn

Emerging Software Engineer with a foundation in full stack development, complemented by a Master's degree in Medical Science and extensive experience as a Physician Assistant. Adept at combining analytical skills, effective communication, and a problem-solving mindset honed through a proven track record in high-pressure environments. Recently transitioned into software engineering through an intensive program at Coding Temple. Eager to apply a unique blend of healthcare knowledge and software development expertise to contribute to impactful technology solutions.

Skills:
  Languages: JavaScript, Python
  Front-End Development: React, HTML, CSS
  Back-End Development: Flask, Node.js
  Database Management: SQL, PostgreSQL

Projects:
  PrimeCare – Full Stack Development Capstone Project
    Hosted: View Project *GitHub:* View Code
    - **Description:** Designed and developed a full-stack website for a fictional medical practice to demonstrate comprehensive web development skills. Emphasized user-friendly and practical real-world features.
    - **Technologies Used:** Backend: Python, Flask; Frontend: React, JavaScript, CSS, Vite ; Database: PostgreSQL, SQLAlchemy; Hosting: Render, ElephantSQL, and Vercel.
    - **Key Features:** Patient portal, secure user authentication and authorization, messaging system enabling patient-provider communication, integration of admin/staff privileges for patient data management and communication

  BeerFridge - **Full Stack Development Project**
    Hosted: View Project *GitHub:* View Backend Code View Frontend Code
    - **Description:** Developed an interactive web application enabling users to create and manage a personal beer collection. Implemented user authentication and authorization using Firebase.
    - **Technologies Used:** Backend: Python, Flask; Frontend: React, TypeScript, CSS, Vite ; Database: PostgreSQL, SQLAlchemy; Hosting: Render, ElephantSQL
    - **Key Features:** Allows registered users to upload details about their favorite beers and save them to the database. Features a sleek custom-built user interface

Experience:
  Physician Assistant, *Vybe Urgent Care*   Feb. 2022 - present
    - Physician Assistant at Philadelphia, PA urgent care centers serving primarily underserved patients
  Physician Assistant, *Tower Health Urgent Care*   Sept. 2017 - Feb. 2022
  Physician Assistant, *Einstein Medical Center Emergency Department*   Dec. 2015 - Sept 2017
  Software Engineer Trainee, *Coding Temple*   July 2023 - Dec. 2023

Education:
Coding Temple, *Certificate - Full Stack Software Engineering*
Salus University, *Master of Medical Science*
Penn State University, *Bachelor of Arts, Advertising/Public Relations; minor: Business and the Liberal Arts*