

Alex Z. Byrd-Leitner

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[Portfolio](#) [GitHub](#) [LinkedIn](#)

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