Aaron Pollock
FULL-STACK SOFTWARE ENGINEER
aaronipollock@gmail.com \\ (323) 251-4892 \\ Culver City, CA

linkedin.com/in/aaronipollock \\ github.com/aaronipollock \\ aaronipollock.github.io

Background in education and entertainment. Proven ability to create complex projects showcasing a blend of technical expertise and visual storytelling. Strong problem-solving skills, patience, and empathy.

Technical Skills: JavaScript | Python | Flask | Express | ReactJS | Redux | Sequelize | SQL Alchemy | PostgreSQL | Node.JS | HTML | CSS | GitHub | Docker | Amazon Web Services | Final Cut Pro | Avid Media Composer | Client Management | Research

PROJECT EXPERIENCE

NOTE2BE | Python | Flask | React | Redux | SQL Alchemy   **GitHub** \\ **Live**
- Engineered a dynamic and responsive user interface with React, integrated with Redux for global state management, ensuring a seamless note-taking experience across all user actions.
- Developed RESTful APIs using Flask to manage user authentication, note management, and file uploads while adhering to secure, scalable backend design patterns.
- Integrated Quill.js as a rich text editor within the note creation interface, enabling users to format notes with bold, italics, lists, and more for a fully customizable note-taking experience.
- Implemented an ORM using SQLAlchemy to streamline complex database interactions, including migrations and relationships, between users, notes, and tags across Flask-based APIs.
- Designed and optimized database schemas and queries using PostgreSQL to handle large-scale data for storing user notes, tags, and media efficiently in a production environment.

GETSY | Python | Flask | React | Redux | SQL Alchemy | AWS S3   **GitHub** \\ **Live**
- Collaborated in a distributed team using Git feature branches and Scrum methodologies to ensure effective version control, code reviews, and sprint-based task management.
- Configured AWS S3 to securely store and retrieve user-uploaded files, ensuring scalable and persistent storage for media and document attachments.
- Leveraged SQLite3 for local development environments to ensure fast, lightweight, and reliable database operations during testing and initial development stages.
- Crafted wireframes and incorporated responsive front-end design using HTML and CSS, ensuring the application maintained a cohesive and intuitive user experience across devices.
- Built a secure custom authentication system using JWT for stateless sessions and bcrypt hashing for passwords, enhancing security by preventing plain text password storage.

WORK EXPERIENCE

TUTOR & CURRICULUM MANAGEMENT | *Elite Educational Institute, et al.*   **June 2010 – August 2023**
- Provided personalized instruction across multiple disciplines, delivering tailored tutoring in reading, writing, and math for 7th-grade students, as well as advanced summer prep courses in Precalculus and Calculus (AB & BC).
- Coordinated communication and SAT prep between Elite Educational Institute and Arcadia Unified School District, training new instructors in AVID teaching methods along with managing tutor schedules.
- Directed a nonprofit after-school SAT program, crafting curriculum and counseling diverse students on higher education opportunities, admissions strategies, mindfulness, and test-taking to help students manage anxiety, guiding them in writing compelling personal statements for Ivy League and top-tier college admissions.

EDUCATION

App Academy \\ Full-Stack Web Development   **Completed Fall 2024**
Mindful Schools \\ Mindfulness Certification Teaching Program   **Completed Fall 2021**
University of Southern California \\ Cinematic Writing, BFA w/ Philosophy Minor   **Completed Spring 2004**