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

Technical Skills: JavaScript | TypeScript | Python | Flask | Express | Expo | Django | ReactJS | React Native | Redux | Sequelize | SQL Alchemy | PostgreSQL | GraphQL | Node.JS | HTML | CSS | GitHub | Docker | Amazon Web Services

VOLUNTEER EXPERIENCE

ENGINEERING TEAM MEMBER | *Better Angels LA*   **October 2024 – Present**
- Collaborates on the development of a mobile application using Expo and React Native, contributing to the creation of dynamic and user-friendly screens and features.
- Assists in the backend implementation, leveraging a Django monolith with Django REST Framework (DRF) and Strawberry GraphQL to support robust API functionality.

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.
- 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.
- Integrated Quill.js as a rich text editor, enabling users to format notes for a fully customizable note-taking experience.

GETSY | Python **|** Flask **|** React **|** Redux **|** SQL Alchemy **|** AWS S3   **GitHub** \\ **Live**
- Coordinated with 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.
- 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 Prep*   **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).
- Directed a nonprofit after-school SAT program, crafting curriculum and counseling diverse students on higher education opportunities, admissions strategies, mindfulness, and test-taking.

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**