Aaron I. Pollock

Software Engineer • Full-Stack Developer

Culver City, CA 90230 • aaronipollock@gmail.com • (323) 251-4892

http://linkedin.com/in/aaronipollock • http://github.com/aaronipollock • http://aaronipollock.github.io

SUMMARY

Full-stack engineer experienced in React, Node.js, Python, SQL, and AWS. Shipped AI-integrated applications (Low·sAI), built React Native features (Better Angels LA), and designed backend systems using Flask, Django, SQLAlchemy, and PostgreSQL.

TECHNICAL SKILLS

JavaScript, TypeScript, Python, SQL • React, React Native (Expo), Redux, Tailwind • Node.js, Express, Flask, Django, REST, GraphQL • PostgreSQL, MongoDB • AWS (S3), Docker • SQLAlchemy, Sequelize • Git/GitHub, GitHub Actions • Jest, Pytest • CI/CD, JWT, MVC

SOFTWARE ENGINEERING EXPERIENCE

Better Angels LA — Volunteer Engineering Team Member

Los Angeles, CA • Oct 2024 – Present

- Built mobile app features using React Native, Expo, and TypeScript.
- Implemented backend functionality via Django, DRF, and Strawberry GraphQL.
- Improved monorepo architecture to support scalable frontend/backend collaboration.
- Replaced react-native-modal with reusable Expo Router + Context modal system fixing scroll/stacking issues.

PROJECTS

Low·sAI — http://www.low-sai.com

Stability AI • JavaScript • MongoDB • Express • React • Node.js • GitHub: https://github.com/aaronipollock/memory-palace

- Integrated Stability AI for prompt-to-image generation behind a clean service interface.
- Architected a React + Tailwind SPA with accessible components and predictable error/loading states.
- Optimized MongoDB schemas and an image pipeline with pagination and lazy loading for large payloads.

Note2be — https://capstone-project-xsl6.onrender.com

Python • Flask • SQLAlchemy • PostgreSQL • React • Redux • GitHub: https://github.com/aaronipollock/capstone-project

- Implemented SQLAlchemy ORM for Flask APIs, streamlining migrations and user–note–tag relationships.
- Designed PostgreSQL schemas and queries for large-scale notes/tags/media to ensure efficient performance.

Getsy — https://etsyclone-4ah1.onrender.com

Python • Flask • SQLAlchemy • AWS S3 • React • Redux • GitHub: https://github.com/TomArbaugh/Ets-E-Commerce

- Coordinated a distributed team using Git branching and Scrum for reviews and sprint execution.
- Configured AWS S3 for secure, scalable storage and retrieval of user-uploaded media and documents.

ADDITIONAL EXPERIENCE

Elite Prep — Tutor & Curriculum Manager

Arcadia, CA • Jun 2010 – Aug 2023

- Led 1,000+ hours of instruction; developed data-driven learning programs adopted by multiple branches.
- Created digital tools for tracking student performance and automating reports.
- Mentored staff in analytical problem-solving and workflow efficiency.

EDUCATION

App Academy Remote

Full-Stack Web Development Completed Fall 2024

University of Southern California Los Angeles, CA

Cinematic Writing, BFA with Philosophy Minor Completed Spring 2004