

Barrett Kowalsky

Full Stack Software Engineer | Denver, CO | 203-505-8090 | barrettkowalsky@gmail.com

[Portfolio](#) | [LinkedIn](#) | [Github](#) | [Blog](#)

Passionate Full Stack Software Engineer adept in crafting scalable, well-documented, and maintainable code. Transitioned from a successful 6-year career in Digital Project Management, bringing a unique blend of technical skills and client-facing experience. Proficient at developing robust REST APIs and seamless user experiences using JavaScript, React, and Python. Thrive among product-driven teams to contribute innovative software solutions.

TECHNICAL SKILLS

JavaScript / TypeScript, React, Python, Flask, SQL, Postgres, Git / Github, APIs, ORM, HTML, CSS, Solidity, Tailwind.

PROJECTS

fundOS - [Github](#)

Decentralized crowdfunding platform built with web3/blockchain technology.

- Implemented a decentralized crowdfunding platform on the Ethereum blockchain using Solidity, Hardhat, and React, allowing users to post projects, set a funding goal, stick to a deadline, and seek funding.
- Designed and wrote my first Solidity smart contract for the application, ensuring secure and transparent transactions.
- Utilized Hardhat for the deployment of smart contracts, streamlining the development and testing process.
- Completed the development and testing of the dApp within a timeframe of just under three weeks, showcasing ability to rapidly learn new languages and processes, efficiently problem solve, and drive timely execution.

SweatSpectrum - [Github](#)

Full stack web app for tracking and viewing detailed workout data.

- Developed SweatSpectrum, a full stack fitness tracking web application using React, Python with Flask, and SQLAlchemy; managed team collaboration & code integration through Git to efficiently resolve merge conflicts.
- Implemented Bcrypt for secure user auth & password hashing, ensuring protection of users sensitive data.
- Drove the technical implementation of the REST API, by designing a persistent data layer with Flask and SQLAlchemy to enable full CRUD operations on workout data.
- Integrated advanced data visualization with Chart.js to provide users with insightful analytics on their workouts.

Magnet - [Github](#)

An app for creatives & small businesses to connect and help each other grow.

- Designed and implemented a responsive React frontend for a conceptual mobile product, leveraging Tailwind CSS for modern and scalable styling.
- Integrated React Router for intuitive navigation and state management to facilitate swift transitions and state persistence across multiple components.
- Implemented a robust backend to support full CRUD operations to form responses, ensuring real-time data handling and user interaction.

PROFESSIONAL EXPERIENCE

Software Engineer · Sirch, Part-Time/Volunteer

Denver, CO · 03/24 - Present

- Leading frontend software development for AI search tool that places core emphasis on human ingenuity.
- Rapidly configured Supabase backend prototype for recording Sirch Coin transactions, a new digital currency.

Sr. Project Manager, E-Commerce · Avex Designs

NYC, New York · 04/19 - 11/22

- Lead & collaborated with a cross-functional team of engineers, designers, solutions architects, & strategists to design & develop beautiful e-commerce experiences on time & within budget, while maintaining a core focus on CRO.
- Managed multiple large-scale web projects concurrently across platforms such as Shopify, Contentful, & WordPress.
- Served as the primary point of contact for clients and enforced project timelines, schedules, and SOWs.

Project Manager, Digital · AMP Agency

NYC, New York · 08/17 - 04/19

- Efficiently managed creative social and digital work streams across multiple brands and campaigns.
- Developed internal process documentation in close collaboration with all teams & rolled out processes to entire org.

EDUCATION

Full Stack Engineering Certificate · Flatiron School

Denver, CO · 10/23 - 02/24

Full Stack Web Development - Intensive JavaScript, React, Python with Flask, & SQLAlchemy program

Bachelor of Arts (B.A.), Psychology · Boston University

Boston, MA · 2012 - 2016