

MATTHEW BERMAN

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PROFESSIONAL EXPERIENCE

Sandbox Wealth | New York, NY - *Lead Software Engineer*

October 2024 - Present

A banking solution providing investment management services focusing on high-net-worth individuals.

- Performed a complete refactor of the frontend code base written in NextJS, Typescript and React.
- Initiated end-to-end testing strategy to protect critical user workflows within our application using playwright.
- Re-architected our database to align us with MVP requirements in a timely manner.
- Worked closely with other engineers to build out our API in Python using FastAPI.
- Knowledge of

NYSHEX | New York, NY - *Senior Software Engineer*

November 2021 – April 2024

A shipping platform that provides enforceable ocean freight contracts, helping to reduce contract defaults in the shipping industry.

- Created efficiencies in the company architecture by introducing a backend for frontend design using Node and Typescript.
- Developed responsive webpages in React using Material UI and other frontend libraries.
- Initiated end to end testing practices across the organization to provide stability and reliability.
- Elected by managers to be a member on a Frontend Committee tasked to set standards across the engineering function.
- Drove adoption of system design components across the code base through collaboration and socialization.
- Designed a data-filled dashboard used by top global carriers to increase the efficiency of shipping contracts up to 99%.

The Amenity Collective | New York, NY - *Software Engineer*

November 2019 – November 2021

A hospitality management company creating and operating lifestyle experiences with a focus on personalized guest services.

- Developed and released multiple Single Page Applications used by hundreds of clients with React, Node, and Salesforce.
- Built out a CI/CD pipeline for frequent releases and updates to our application suite.
- Coded multiple cross-platform mobile applications with React Native, Expo, and Salesforce.
- Conducted initial UI Design and UX meetings for new applications using Sketch.
- Managed testing and user feedback for continued improvement of live applications using Expo for continuous updates.

Fullstack Academy | New York, NY - *Software Engineer Teaching Fellow*

December 2018 – July 2019

A coding bootcamp with an intensive program in web development to prepare students for tech careers.

- Attended Bootcamp from December 2018 to April 2019. Learned Javascript, React, Express, Node.js.
- Mentored over 50 Fullstack Academy students, helping to teach engineering concepts, algorithms, debugging strategies, and code hygiene through workshops, long-term projects, and code reviews.
- Implemented projects using React, Node, Express, and PostgreSQL.
- Created a CI/CD flow using GitHub, Travis CI and Heroku for deployment and Mocha for testing.

FactSet Research Systems, Inc. | New York, NY - *Product Developer*

July 2015 – November 2018

A global financial data company that provides integrated financial information to investment professionals and corporations.

- Constructed hundreds of formulas, using C++ and SQL, that were made available for clients to analyze mutual fund data in the returns-based portfolio analysis application of FactSet's workstation.
- Managed workflows to implement data vendors into FactSet's workstation resulting in tens of thousands of dollars in revenue.

ADDITIONAL RELEVANT EXPERIENCE & PROJECTS

ChefX | New York, NY

January 2017 – September 2018

Co-Founder and Chief Technology Officer

- Acted as liaison between the application developer and Chief Executive Officer to ensure the Swift coding, wireframes, and prototypes of the application aligned with the overall business strategy.
- Received \$10,000 grant and complimentary legal services from Ballard Spahr's Ballard Academy for Student Entrepreneurs.
- Outlined go-to-market strategy based on scalability, food regulations and policy, and geography.

Codemore | *Fullstack Academy Group Project*

A platform that allows users to practice coding using a code editor and visualize their data from the most visited developer platforms

- Developed a user-specific dashboard by hitting multiple APIs from well-known developer websites.
- Owned the UI on the algorithm practice page as well as the vertical slice to test user code.
- Technologies: React, Redux, Ace Editor, Node, Express, Docker, and Postgres.

EDUCATION

BUCKNELL UNIVERSITY | *BS in Computer Science and Engineering* | Lewisburg, PA

August 2011 – May 2015

FULLSTACK ACADEMY | *Certificate of Completion* | New York, NY

December 2018 – April 2019