

# Konrad Kopko

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## TECHNICAL SKILLS

- **Proficient:** Javascript (ES6+), Typescript, React (Hooks, Router), Redux, Node.js, Express, Relational Databases, Non-relational Databases (MongoDB), GraphQL, Bcrypt, Git, REST, Websockets, Alteryx, SQL, Microsoft Office, Capital IQ, Factset
- **Exposure:** GCP, Docker, Webpack, TDD(Jest, Supertest), OAuth 2.0, Sass/SCSS, VBA

## EDUCATION

Statistics and Quantitative Modeling, *Baruch College*

May 2019

## WORK EXPERIENCE

### Mantra Health | Software Engineer | NYC

Nov 2021 - Jan 2024

- Fullstack engineer at a health-tech startup which connects college students with mental health providers
- Developing a Node, Typescript, React based application using GraphQL for requests, AWS and Aptible Postgres for database storage, TypeOrm for database queries.
- Oversaw significant engineering and business developments due to joining as the 13th member which has since grown to 50+ people, onboarded and mentored 4 new hires since joining
- Led various projects which included significant changes to prior business logic as well as the introduction of completely new networks across various products, including third party integrations and payment logic, company now works with 110 campuses and 800,000+ students
- 70% of patients said the services they are receiving through Mantra care have helped them stay enrolled in school. 68% said the services they are receiving through Mantra care have helped them perform better in school.
- Worked on the React Native to mobile app conversion, focusing on deeplink and page integrity among others, the app was successfully launched on the App and Play store and is currently live and downloadable 5/5 stars, 300+ downloads since launching in Oct 2023
- Handled mitigation of a potential security/compliance issues including a massive amounts HIPAA-sensitive customer data
- Maintained readable and easily editable code using ESLint and the Airbnb JavaScript Style. Testing written in Jest

### HSBC | Financial/Data Analyst | NYC

Aug 2019 - Aug 2021

- Developed a Node.js/Puppeteer based script to parse through company financial data, bypassing the need for user-based inputs, negating user error, previously there would have to be a dedicated analyst to spend a few hours of their day going through documents
- Harnessed SQL based data analysis software to iterate over company data, enriching as well as joining it with other data from company systems to output a user-readable format
- Used SQL to query company data hosted on GCP's BigQuery, and provide updated and enriched financial information
- Tracked over 2,000 active company clients and provided monthly updates on each one for the rest of the bank, using VBA, Excel, and other internal databases

## PROJECT WORK

### Swell | Open Source Developer | <https://www.getswell.io/> | <https://github.com/open-source-labs/Swell>

2021

API development tool for endpoint testing

- Contributed to an electron-based desk-top application using Node and React/Redux, to allow users to send client-side requests using REST, GraphQL, Websocket and WebRTC for endpoint testing.
- Created custom React hooks to improve site responsiveness and logic as well as used Redux to consolidate state management, allowing for globally-scoped state access
- Created binary data testing for websocket protocol, enabling users to send blobs such as images, as well as export logs, create Chai assertions with Mocha on their requests, and create a custom websocket development server for testing
- React/Redux, Mocha and Chair tests were added primarily to give the client a more well-defined testing suite. Image limits are based on the client's own server, which allows them to more accurately assess the user experience
- Added test code snippets to client-side requests, allowing clients to test their servers. Users can write their own tests within a NodeVM environment and/or use the predefined snippet. Assertion tests are written in Chai/Mocha
- Product developed under tech accelerator OS Labs ([opensource-labs.io](https://opensource-labs.io))

### LovingSitter | Fullstack Developer | <https://github.com/hatchways/team-naan-bread>

2021

A Marketplace for Dog Sitters + Dog Owners

- Worked on a team with three other people as a full stack engineer- was responsible for developing much of the backend in MongoDB. The profile and customer focused approach of the app was one of the reasons we opted for Mongo over SQL
- Users can communicate with each other using Websocket, and are able to pay using Stripe integration

## Other

Course- Applied Machine Learning- Columbia University Engineering Executive Education

2023

Public Talk- "What is GraphQL?" - Build with Code

2023

## Interests

Speaking Polish to my family overseas | Watching MMA fights | Rock Climbing with friends | Trying every slice of buffalo chicken pizza there is | Coding text-based games | Spending hours watching youtube documentaries