

# Isaac Finkelstein

## Full stack web developer

isaacfink123@gmail.com

## EXPERIENCE

### Triple Whale - Full Stack Developer -

JUNE 2022 - 2023

- Designed and built the categorization feature which allowed the system to automatically categorize transactions and for users to customize it
- I became the go to person for all knowledge surrounding our internal APIs after a big change
- I was responsible for implementing security for our product, this included making sure users only have access to their own data and verifying credentials
- Implemented integration with bookkeeping platforms like quickbooks and xero using codat, and normalized the data to fit in with data from other sources

### Charity extra - full stack developer

APRIL 2023 - JULY 2023

- I created the entire frontend for an application which allowed donors to manage their accounts
- I also created a feature rich website for charities to manage their accounts and campaigns
- Built the dashboard for administrators to manage users, transactions and accounts

### Aluf devs, freelancing - freelance full stack developer

JUNE 2019 - APRIL 2022

- I built a completely custom POS for a restaurant, this included online ordering, a backend to manage order, inventory and coupons, some of the cool features were
  - A complete backend for the company to manage everything
  - Online ordering with support for custom packages
  - Coupons and sales, including printing coupons on custom cards with Barcodes
  - In store kiosks with a custom android app for customers to order in store
  - Integrated with receipt printers and kitchen printers to automatically send jobs to the kitchen
  - Inventory management system
- Developed fully featured web based image editor for a custom invitations platform
  - Designers can upload designs which users can later customize with their own text
  - Everything is running on a cheap server and can handle thousands of documents per day due to a message queue which schedules renders and retries on failure
- Implemented message brokers and serverless instances for a scraper to handle a load of over 1 million files per day, the result was 70% cheaper and ran over 200% faster
  - The scraper needed to bypass bot detection which I accomplished by a combination of using puppeteer and mocking user behavior (like moving the mouse periodically) and implementing rate limits
  - All the data is synced to salesforce and all the documents are uploaded to the users dropbox using the dropbox API
  - File downloads are retried automatically
  - The system uses a combination of serverless functions and long running functions scheduled with cron and managed through pm2
- Developed an automation solution for a healthcare company that enabled them to streamline processes with an advanced trigger system and a customizable template engine for task declaration, this allowed them to push out new features much faster
  - The system allowed them to create triggers on events and call api endpoints based on the data in the event
  - This was accomplished by a combination of postgres triggers and cron jobs, the code itself was written in typescript and runs as a microservice in an nestjs application

## SKILLS

- Python, JavaScript, TypeScript, React, Node, SQL, AWS, Svelte, Django, MongoDB, Linux, Docker, Git, Firebase,