

Kai Thompson

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EXPERIENCE

Software Developer

Newton.co

Jan. 2022 – Present

Toronto, ON

- Wrote a majority of the tests and implemented failsafes in our fiat deposit/withdrawal microservice, responsible for moving over 1 billion CAD yearly
- Created a microservice that resulted in a 22000x reduction in time to generate monthly crypto balance reports
- Implemented new and experimental feature in our React Native mobile application
- Designed and prototyped a ledger database used to track user balances and trades
- Deployed a blockchain reconciliation microservice to validate on-chain deposits and withdrawals

Frontend Developer

Treasure Chess

Dec. 2021 – Jan. 2022

Remote

- Core team member developing the UI of chess.com's NFT collectible marketplace
- Designed scalable React components, styled with TailwindCSS, and tested thoroughly with Storybook
- Implemented marketplace sorting and filtering using a GraphQL API
- Built functionality to seamlessly cover users' blockchain transaction fees

Founder

Krypto Depot

Oct. 2020 – Aug. 2021

Burlington, ON

- Trading desk totalled over 1800 sales, averaging CAD 2000 each
- I implemented precautions including AML(anti-money laundering) compliance and FINTRAC reporting
- I earned 100% positive feedback from 131 reviews

PROJECTS

i-can-react | *Typescript, React, Tailwind CSS, Redux, Vite*

November 2022

- Created a React boilerplate to quickly start new projects
- Utilized Tailwind CSS to create a custom theme and components
- Implemented Redux to manage state across the application

eth-date-to-block | *Typescript, Jest, NPM, GitHub Workflows*

October 2022

- Developed a NPM package to efficiently convert a date to a block number
- 2x faster and 73x smaller than the most popular existing solution by implementing an interpolation search algorithm
- In October 2022, it reached a peak of 292 weekly downloads
- Utilized GitHub Workflows to automate testing and publishing to NPM

TECHNICAL SKILLS

Languages: Typescript, Javascript, Golang, Python, Swift, HTML/CSS, SQL (Postgres), GraphQL, Solidity

Frameworks: React, React Native, Node.js, Express.js, Next.js, Django, Gorilla, MongoDB/RealmDB

Libraries: Redux, TailwindCSS, SASS, Vite, NumPy, Pandas, Jest, Puppeteer

Developer Tools: Git, Docker, AWS, VS Code, Eclipse, Postman

EDUCATION

Chainshot

Ethereum and Javascript Developer Bootcamp

Remote

Oct. 2021 – Dec. 2021

Nelson High School

Highschool Diploma; 4.00 GPA

Burlington, ON

Aug. 2018 – May 2021