

Kai Thompson

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EXPERIENCE

Software Developer

Jan. 2022 – Present

Newton.co

Toronto, ON

- Contributed to the development of a deposit/withdrawal microservice, which handles over 1 billion CAD in transactions annually, by writing a majority of the tests and implementing failsafes.
- Implemented a microservice that greatly improved the efficiency of generating monthly crypto balance reports, reducing the time by 22000x.
- Designed and developed a ledger database for tracking user balances and trades, used to ensure accurate state.
- Deployed a blockchain reconciliation microservice to validate on-chain deposits and withdrawals, ensuring the security and integrity of all transactions.
- Worked on adding new and experimental features to our React Native mobile application.

Frontend Developer

Nov. 2021 – Jan. 2022

Treasure Chess

Remote

- As a core team member, played a key role in the development of the user interface of chess.com's NFT collectible marketplace, specifically focusing on front-end contributions.
- Designed and implemented scalable React components, styled using TailwindCSS, and thoroughly tested using Storybook to ensure a seamless user experience.
- Built and implemented marketplace sorting and filtering functionality using a GraphQL API, allowing for dynamic and efficient data retrieval.
- Developed and integrated functionality to seamlessly cover users' blockchain transaction fees, ensuring a smooth and streamlined marketplace experience.
- Utilized React Spring to bring dynamic features and animations to the marketplace, making it more interactive and engaging for users.

Founder

Oct. 2020 – Aug. 2021

Krypto Depot

Burlington, ON

- Trading desk totalled over 1800 sales, averaging CAD 2000 each.
- I implemented precautions including AML(anti-money laundering) compliance and FINTRAC reporting.
- Received 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 Tool Kit (RTK) 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 leading 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

Remote

Ethereum and Javascript Developer Bootcamp

Oct. 2021 – Dec. 2021

Nelson High School

Burlington, ON

Highschool Diploma; 4.00 GPA

Sept. 2017 – June 2021