

Kai Thompson

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EXPERIENCE

Senior Software Engineer

Jan. 2022 – Present

Newton.co

Toronto, ON

- One of two developers behind Newton's limit order engine, which executes over 500k CAD in trades daily.
- Led the complete re-write of the crypto deposit aggregation service with projected yearly savings in the six-figure range.
- Designed a novel solution for aggregationless crypto deposits which has the potential to save Newton over 1 million CAD annually.
- Sole developer of a machine learning pipeline to cluster and classify relevant news articles, which was used to generate Newton's news and topic feeds.
- Contributed to the development of the fiat deposit/withdrawal service, which handles over 1 billion CAD in transactions annually.
- Created a boilerplate repo with several pre-built IaC modules, allowing other developers to quickly deploy new services.

Frontend Developer

Nov. 2021 – Jan. 2022

Treasure Chess

Remote

- Played a key role in the development of the user interface of chess.com's NFT collectible marketplace.
- Built and implemented marketplace backend functionality using a GraphQL API and the Apollo client.

Founder

Oct. 2020 – Aug. 2021

Krypto Depot

Burlington, ON

- Founder and sole operator of a brokerage, facilitating the sale of over 3.6 million CAD worth of crypto.
- Conducted compliance measures such as AML(anti-money laundering) compliance and FINTRAC reporting.

PROJECTS

ReLeaf (Devpost) | *Typescript, React, Tailwind CSS, Redux, Vite, Express.js, GCP, Playwright*

May 2023

- A one-stop shop for sustainability-focused travel planning.
- Winner of Best Sustainability Hack sponsored by Avande (Microsoft) at MetHacks 2023.
- Top contributor to the project, responsible for the majority of the backend and cloud development.

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

October 2022

- 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.

TECHNICAL SKILLS

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

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

Libraries: Gin, Fiber, Tailwind CSS, SASS, Vite, NumPy, Pandas, Fast API, Playwright

Developer Tools: Git, Docker, Pulumi, AWS (Lambda, ECS Fargate, S3, DynamoDB, RDS, SQS, SNS), Datadog

EDUCATION

Chainshot

Remote

Ethereum and Javascript Developer Bootcamp

Oct. 2021 – Dec. 2021

Nelson High School

Burlington, ON

High School Diploma; 4.00 GPA

Sept. 2017 – June 2021