

Mark Lin

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PROFILE

Languages: JavaScript/TypeScript(ReactJS, AngularJS, NodeJS), SQL, GraphQL, Python, Java/Scala

Tools: Firebase, Git, Visual Studio Code, IntelliJ/Eclipse, NextJS, Cypress, MongoDB, Sentry, Stripe

EXPERIENCE

TD Bank Group, Software Engineer — *Toronto, ON*

Jan 2022 - Present

- Worked as part of the Transparency team on the Real-time Risk Engine and Transparency Trader, a **FO risk management tool** for fixed income and FX.
- Built a support tool using AngularJS and Scala that fetches Decomp End Cash data from an API endpoint and displays in the browser and provides the option to download it into an excel sheet.
- Built a tool using AngularJS and Scala that fetches the SOD/LIVE IR Delta Breakdown from an API endpoint and organises it into an automatically downloaded excel sheet.
- **Improved performance** by writing python scripts that collected data from log files and helped **discover** and **solve** server lag issues.
- **Refactored** all the routing for the Transparency Admin Console and Risk Mapping Editor.
- **Led weekly social meetings** as social committee leader with 20+ attendees for international co-ops and associates.

Year Zero Studios, Software Developer — *Toronto, ON*

May 2021 - Sept 2021

- Created a **dynamic** and **responsive** web application using Typescript, React.js, Next.js and Firebase.
- Increased usage of our app by over **100%**.
- Implemented memberships, collectives, donations, split payouts and order history.
- **Redesigned** the entire website, **refactored** our RESTful APIs and **architected** the backend.
- Debugged and caught errors with **Cypress** and **Sentry**.
- Implemented payment methods and scheduling with **Stripe** and **Zoom** API's.

DxChain Network, Software Developer Intern — *San Jose, California*

Aug 2019 - Sept 2019

- Created an optimised smart contract on the Ethereum **blockchain** using Solidity and Node.js.
- Created a smart contract in 3 weeks in collaboration with my partner and learned 2 new languages.

PROJECTS

PricePal — <https://www.pricepal.app/>

PricePal is an expense sheet application designed to help peers keep track of debts and payments with each other. Created using React, Next.js, MongoDB and GraphQL and deployed using vercel.

Personal Website — <https://marklinxvii.github.io/>

Created my personal website using basic HTML, CSS and Javascript.

ACHIEVEMENTS

\$2000 President's Scholarship 2020 | Academic Honour Roll (2016-2020) | Ontario Scholar 2020

EDUCATION

University of Waterloo, Waterloo, ON — *Bachelor of Mathematics | Statistics Major*

Sept 2020 - Sept 2025

St. Robert Catholic High School, Richmond Hill, ON — *International Baccalaureate*

Sept 2016 - June 2020