MARK LIN

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Technical Skills

Languages: Python, Java, HTML/CSS, JavaScript, SQL, Typescript, GraphQL, Scala, Ruby
Technologies/Frameworks: React, Angular, Ruby on Rails, Node, XCode, Kubernetes, Firebase, MongoDB, AWS

Experience

Drop Technologies Inc.   Sept 2022 – Present
Software Engineer Intern   *Toronto, ON*
- Worked on the Drop mobile app using **React Native**, **Ruby**, **Ruby on Rails**, **AWS** and **XCode**.

TD Securities   Jan 2022 – Aug 2022
Software Engineer Intern   *Toronto, ON*
- Designed and built trading support tools used by thousands of traders internationally with **Angular.js** and **Scala**.
- Developed our internal **RESTful API** to fetch, parse and organize requested JSON data in a downloadable excel sheet.
- Improved performance of trading servers by writing **Python** scripts which helped discover and solve server lag issues.
- Created a complex risk trade curve editor using **React.js** used by thousands of traders.
- Added a PnL Flash view table that automatically updated values live using **Angular.js** and **Scala**.
- Led weekly social meetings as a committee leader with 20+ attendees for international co-ops and associates.

Year Zero Studios   May 2021 - Sept 2021
Software Developer Intern   *Toronto, ON*
- Created a dynamic and responsive web application using **Typescript**, **React.js**, **Next.js** and **Firebase**.
- Assisted the Product Manager in the onboarding process and increased app usage by over **100%**.
- Redesigned the entire website, refactored our RESTful APIs and architected the backend in Firebase.
- Debugged and caught errors with **Cypress** and **Sentry**.
- Implemented payment methods and scheduling with **Stripe** and **Zoom** API's.

DxChain Network   Aug 2019 - Sept 2019
Software Developer Intern   *San Francisco, CA*
- Created an optimised smart contract on the Ethereum blockchain using **Solidity** and **Node.js**.
- Built a decentralized application where users can pool their ether to earn the chance of increasing profits.
- Architected and developed the entire Solidity backend and designed the frontend of the application using **HTML/CSS**.

Projects

PricePal | *React.js, Next.js, MongoDB, GraphQL, Vercel*
- Developed an expense sheet application to help peers track payments using React, Next.js, MongoDB and GraphQL.

Portfolio Website | *React.js, JQuery, Next.js*
- Learnt how to use JQuery to simplify code, since it is one of the most popular libraries in the world.
- Built a website from scratch using React.js and Next.js and learnt how to host my own website.

Education

University of Waterloo   2020 – 2025
Bachelor of Mathematics - Statistics & Decision Theory   *Waterloo, ON*

Achievements

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