

Bill Li

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TECHNICAL SKILLS

Languages: JavaScript, TypeScript, C++, SQL, Python, HTML/CSS, Solidity

Frameworks: React/Redux, Node.js, Next.js, GraphQL, MUI, Chakra UI, Tailwind CSS, Framer Motion

Developer Tools: Git/Github, Postman, AWS S3, AWS EC2, AWS Route 53, Linux, Vim

WORK EXPERIENCE

Software Engineer @ VTS

Jan. 2022 – Apr. 2022

TypeScript, React/React Native, GraphQL, SQL

New York, NY

- Spearheaded the “Required Before” feature on both web and mobile, ensuring that users meet a certain criteria before interacting with secured content, reducing permission related bugs by 40%.
- Implemented server queries and mutations with GraphQL, and their corresponding resolvers using Apollo.
- Migrated remaining JavaScript codebase to TypeScript, improving code maintainability across all shared packages and enabling monorepo lint action on commits.
- Performed unit/integration testing using Jest to contribute towards a 9% net increase in monorepo code coverage.
- Contributed towards project documentation, including source of truth documents, project technical documents, and developer on-boarding documents.

Full Stack Developer @ Residential Development Services

May. 2021 – Aug. 2021

TypeScript, React, GraphQL, MongoDB

Toronto, ON

- Independently developed and styled the “Reports” page of the company’s in-house application using React.
- Integrated filtering capabilities to the grid overview page, allowing users to efficiently select and view all of the units that satisfy a certain condition.
- Improved the application’s unit editing feature by adding the option to select and modify multiple units at once.
- Integrated data visualization to the dashboard page using charts (chart.js) and tables (material-table), providing a brief overview of sales/inventory for a given period of time.

Blockchain Engineer Intern @ DxChain

May. 2019 – Aug. 2019

Solidity, Web3.js, React

San Francisco, CA

- Partnered with a senior engineer to create a decentralized, lottery-system application that allows users to purchase reusable tickets and deploy them into prize pools for a chance to win Ether.
- Deployed the decentralized application to the Ethereum Blockchain using Web3.js and designed a front end application in React – presented the application in a company-wide hackathon and won Best Hack award.

RELEVANT PROJECTS

Productivity Timer | *Next.js, Chakra UI, Framer Motion*

try: productivitytimer.app/

- Independently designed and brought to life a fully functional pomodoro timer with flexible user customization and a todo-list animated with framer motion.
- Featured as a studying resource in University of Waterloo’s academic success tutorials.

PricePal | *Next.js, MUI, GraphQL, MongoDB*

try: pricepal.app/

- Collaborated in a cross-functional team of four to develop an expense tracking application that allows users to create different groups with their peers and easily track their debts.

Plumly | *React, Node.js, Express.js, MongoDB*

try: plumly.app/

- Developed a social media platform aimed towards developers that displays users’ Github repositories and allows them to interact with one another through posts and comments.

EDUCATION

University of Waterloo

Waterloo, ON

Bachelor of Computer Science, Presidents Scholarship of Distinction

Expected May 2025

- Relevant Coursework: Data Structures, Algorithms, Databases, Computer Systems, C/C++, R/RStudio