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, AWS Lambda, Linux, Vim

Work Experience

Incoming Full Stack Software Engineer @ Surfboard — Sept. 2022 – Dec. 2022
TypeScript, React, AWS Lambda — *San Francisco, CA*

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