

Youup Kim

☎ 403-404-5528 | ✉ youup99@gmail.com | 🏠 youup99.github.io | 📷 youup99 | 🌐 david-kim7

Skills

Programming Languages: TypeScript, JavaScript, Java, Python, GraphQL, C#

Web/Mobile Technologies: React, React Native, Vue.js, Angular

Databases: PostgreSQL, MongoDB, SQLite, AWS DynamoDB

Platforms/Tools: AWS (S3, EC2, RDS, Lambda, Step Functions, API Gateway, SQS, ECR), Google Cloud Firebase, Git

Work Experience

Amazon

Vancouver, Canada

SOFTWARE DEVELOPMENT ENGINEER INTERN - DATAPATH EFFICIENCY

Jun. 2021 - Sept. 2021

- Developed a production-deployed web app to perform various tests on REST bindings with sample production traffic.
- Proposed the high-level design for the **React** front-end and **AWS** back-end.
- Improved an existing system's scalability by creating re-usable and generic components.

BMO Capital Markets

Toronto, Canada

SOFTWARE DEVELOPER INTERN - GLOBAL MARKETS ENGINEERING

Sep. 2020 - Dec. 2020

- Designed the UI and developed a web app using **React + TypeScript** for traders to use.
- Created an **Apollo GraphQL** server in **TypeScript** to store JSON data onto an **Oracle SODA** database.
- Migrated parts of a **C#** application to **Java** from scratch to grab real-time market data.

University of Calgary

Calgary, Canada

SOFTWARE DEVELOPER INTERN - DEPARTMENT OF CHEMICAL AND PETROLEUM ENGINEERING

May. 2020 - Aug. 2020

- Spearheaded the design, implementation, testing, and deployment of a web application using **Vue.js**.
- Implemented BaaS(Backend-as-a-Service) model using **Google Cloud Firebase** for Authentication, Database, and Hosting.

BMO Capital Markets

Toronto, Canada

QUANTITATIVE SOFTWARE DEVELOPER INTERN - FIXED INCOME CURRENCIES & COMMODITIES

Jan. 2020 - Apr. 2020

- Designed and built 5+ features using **Vue.js** and **Python** for a portfolio optimization/analytics website.
- Engineered a time-series forecasting model with 95% accuracy in **Python** for US Treasury Inflows/Outflows.

JORI International

Calgary, Canada

SOFTWARE DEVELOPER INTERN - OPENBORDER

May. 2019 - Aug. 2019

- Designed the UI and built various pages of a web application using **Angular** and **C#** with **MongoDB**.

Projects

Dovetail

PERSONAL PROJECT - REACT, REACT NATIVE, FASTAPI (PYTHON), NODE.JS, POSTGRESQL, AWS

- Website + Mobile App where users can see their entire portfolio from investment accounts, crypto wallets, and adding manual investments.

Education

University of Calgary

Calgary, Canada

BACHELOR OF SCIENCE IN SOFTWARE ENGINEERING (WITH DISTINCTION)

April 2022