

Youup Kim

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Skills

Programming Languages: TypeScript, JavaScript, Ruby on Rails, GraphQL, Java, Python, C#
Web/Mobile Technologies: React, Tailwind CSS, React Native, Vue.js, Angular
Databases: PostgreSQL, MongoDB, SQLite, AWS DynamoDB
Platforms/Tools: AWS, Google Cloud Firebase, Git

Work Experience

Modern Treasury

SOFTWARE ENGINEER

New York, NY

Aug. 2022 - Current

- Eliminated personally identifiable information (PII) sent in our API by modifying **Ruby on Rails** serializers.
- Created reusable **React** components to audit access to PII fields in the UI.
- Tested existing Plaid integration to enable international account collection.
- Created ongoing sanctions/watchlist monitoring job for customers onboarded through KYC checks.
- Enabled programmatic account creation at banks through our concept of Legal Entities.

Amazon

SOFTWARE DEVELOPMENT ENGINEER INTERN - DATAPATH EFFICIENCY

Vancouver, BC

Jun. 2021 - Sept. 2021

- Developed a production-deployed web app to perform various tests on REST bindings with sample production traffic.

BMO Capital Markets

SOFTWARE DEVELOPER INTERN - GLOBAL MARKETS ENGINEERING

Toronto, ON

Sep. 2020 - Dec. 2020

- Developed a web application for uploading daily equity trades using **React + TypeScript + GraphQL**.
- Migrated parts of a **C#** application to **Java** from scratch to grab real-time market data.

University of Calgary

SOFTWARE DEVELOPER INTERN - DEPARTMENT OF CHEMICAL AND PETROLEUM ENGINEERING

Calgary, AB

May. 2020 - Aug. 2020

- Developed a web application for calculating carbon emissions using **Vue.js + Google Cloud Firebase**.

BMO Capital Markets

QUANTITATIVE SOFTWARE DEVELOPER INTERN - FIXED INCOME CURRENCIES & COMMODITIES

Toronto, ON

Jan. 2020 - Apr. 2020

- Helped build a portfolio optimization/analytics web application using **Vue.js** and **Python**.

JORI International

SOFTWARE DEVELOPER INTERN - OPENBORDER

Calgary, AB

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

BACHELOR OF SCIENCE IN SOFTWARE ENGINEERING (WITH DISTINCTION)

Calgary, AB

April 2022