

# Youup Kim

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## Education

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### University of Calgary

BACHELOR OF SCIENCE IN SOFTWARE ENGINEERING

Calgary, Canada

Sep. 2017 - Apr. 2022

- Relevant Courses: Data Structures and Algorithms, Object-Oriented Design, Operating Systems, Software Architecture/Testing

## Skills

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

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

**Databases:** PostgreSQL, MongoDB, SQLite

**Platforms/Tools:** AWS S3, AWS RDS, Google Cloud Firebase, Git, SVN

## Work Experience

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### Amazon

SOFTWARE DEVELOPMENT ENGINEER INTERN

Vancouver, Canada

Jun. 2021 - Sept. 2021

- Datapath Team - a hosted Tier 1 Service Oriented Architecture (SOA) platform where Amazon developers write logic and deploy it using standard Amazon developer tooling, after which Datapath takes over and makes the decision of how to optimally run it.

### BMO Capital Markets

SOFTWARE DEVELOPER INTERN - GLOBAL MARKETS ENGINEERING

Toronto, Canada

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

SOFTWARE DEVELOPER INTERN - DEPARTMENT OF CHEMICAL AND PETROLEUM ENGINEERING

Calgary, Canada

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

QUANTITATIVE SOFTWARE DEVELOPER INTERN - FIXED INCOME CURRENCIES & COMMODITIES

Toronto, Canada

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

SOFTWARE DEVELOPER INTERN - OPENBORDER

Calgary, Canada

May. 2019 - Aug. 2019

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

## Projects

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### 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.

### CamSpot

COURSE FINAL PROJECT - REACT NATIVE, FASTAPI (PYTHON), POSTGRESQL, AWS

- Mobile App where users can upload cool places they have visited with a photo (like Instagram).