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 (S3, EC2, RDS, Lambda, Step Functions, API Gateway, SQS, ECR), Google Cloud Firebase, Git

Work Experience

Modern Treasury   *Seattle, Washington*
SOFTWARE ENGINEER - PAYMENT INTERFACES   *Aug.2022 - Current*
- Building reliable and scalable software using **React**, **Ruby on Rails**, and **GraphQL**.

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*
- 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   *Calgary, Canada*
SOFTWARE DEVELOPER INTERN - DEPARTMENT OF CHEMICAL AND PETROLEUM ENGINEERING   *May. 2020 - Aug. 2020*
- Developed a web application for calculating carbon emissions using **Vue.js + Google Cloud Firebase**.

BMO Capital Markets   *Toronto, Canada*
QUANTITATIVE SOFTWARE DEVELOPER INTERN - FIXED INCOME CURRENCIES & COMMODITIES   *Jan. 2020 - Apr. 2020*
- Helped build a portfolio optimization/analytics web application using **Vue.js** and **Python**.
- 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*