

JAYSON YAN

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Skills

Languages: Python, JavaScript, Java, C++, Kotlin, Swift
Technologies: Node.js, React, MongoDB, GraphQL, Express, Socket.IO

Experience

TimeSaved | Full Stack Developer Sept-Dec 2019

- Migrated server to **GraphQL** to reduce response payload and support both mobile and web clients
- Architected new **MongoDB** messaging schemas to improve support for mobile messaging and increase flexibility for future features
- Improved average mobile API performance in **Node.js** server by **~80%** by converting high-traffic general endpoints into multiple specific endpoints
- Overhauled swagger docs to adhere to OpenAPI specs and reduce documentation by **7000+ lines**

Vouchr | Software Developer Jan-Apr 2019

- Built out server endpoint to support deleting assets from **AWS S3** in **Java/Spring** to efficiently store client media/resources
- Restructured Android payment architecture in **Java** and **Kotlin** to support flexible client integration
- Refactored legacy code to adhere to an **MVP design pattern**, streamlining communication and improving performance between modules

Clearbridge Mobile | iOS Developer May-Aug 2018

- Worked on team of 4 to deliver the MyTeams app for NBC Sports with **500 000+ downloads**
- Architected full push notification system in **Swift** with support for urban airships
- Increased user retention by building out in-app sharing feature with deep-linking functionality

Projects

Collaborative Code Editor

- Developed a web-based collaborative code editor using **React** frontend and a **Node.js** server
- Guaranteed conflict free editing and reduced memory usage by implementing a CRDT to store document information and handle edits from multiple clients

Quadris

- Created a command-line Tetris clone in **C++** with graphical display
- Utilized object-oriented design patterns to improve flexibility and easily support future features

Education

Software Engineering, University of Waterloo 2017-2022

- Cumulative Average: 81%