

# Christopher Chen

## Contact

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## Technical Skills

### programming languages & tools

JavaScript, Scala, TypeScript, Java, C++, Python, SQL, React, Angular, Vue, Node.js, HTML, CSS, AWS, GCP

### design tools & prototyping

Figma, Adobe Suite, Webflow, Blender, Cinema4D

## Education

### University of British Columbia

Aug 2017 - Jul 2022

Degree in Computer Science with Co-op

## Work Experience

### Amazon Inc. | Full-stack Developer | Sep 2022 - Mar 2023

- Built a workflow for sellers to bulk upload their case IDs, exponentially reducing case resolution time for both sellers and support associates
- Launched metrics and alarms to track successes and failures of steps within seller workflows, allowing developers and process engineers to easily debug workflows.
- Created an async validator component that uses AWS Lambda to validate that a seller's upload file fits within case parameters, allowing executions for seller case creations to run 75% faster.
- Refactored validations within file upload components allowing components to fail earlier in the process, enabling easier debugging and saving developers time
- Performed QA during seller-associate product launches, fixing issues that popped up during workflow executions
- Assisted process engineers with testing on their workflows and facilitating discussions between different teams that fixed major blockers in their workflow executions, allowing them to speed up deployment of seller-facing workflows

### Visier Inc. | Full-stack Developer | May - Dec 2021

- Provided access to a wider range of customers by building Google BigQuery and Microsoft Sql Server data connectors that integrated into the enterprise application, allowing data extraction from customers with those data warehouses
- Created proxy workflows for BigQuery and SQL Server through AWS Lambda to allow for more secure customer data extraction
- Thoroughly tested the tenant and user management APIs, as well as the enterprise APIs and fixed broken and outdated endpoints
- Redesigned user interfaces handling customer data by implementing various features such as tabular infinite scrolling in order to increase data extraction queueing speeds by 60%

### Advanced Intelligent Systems | Full-stack Developer | Jan - Sept 2020

- Spearheaded development of a cross-platform mobile app and a web app on Angular that the team now uses to automate and control pot-arranging robots with 50% decreased load time and a more efficient user experience
- Improved the layout, user experience, and functionality of a robot dashboard web app on Angular, decreasing data access time by 40%
- Developed a progressive web-app on Angular for users to track robot missions, allowing customers to chain greenhouses for rearrangement
- Created UI designs for the app's interface using Figma, developed the apps in Ionic and Angular, and used AWS for user authentication

### Vibevent | Co-founder, Full-stack Developer, Lead Designer | Jul 2019 - Dec 2020

- Developed a mobile-responsive, progressive web-app using the MERN (Mongo, Express, React, Node) stack
- Used various animation libraries including the Framer Motion API to animate front-end elements such as the sidebar and event cards
- Used the Mapbox API to visualize events fetched from the backend on a map
- Developed a RESTful Express API to connect the front-end to a NoSQL (Mongo) database
- Designed the UI using Figma and stylized the front-end using mobile-first responsive CSS

### XdHacks, First Place | Developer, Designer | Feb 2019 | [github.com/kraytaps/KENKO/](https://github.com/kraytaps/KENKO/)

- Designed and developed a cross-platform Android app in Figma and React Native that helps rheumatoid arthritis patients, allowing them to receive medication, scan drug labels, and be diagnosed all in the app

### Microsoft Indonesia | Business and Technologies Intern, Technical Writer | May - Aug 2018

- Developed a proposal directed towards local universities on the possible integration of Microsoft Azure in managing big data and facilitating machine learning in their educational curricula
- Shadowed and attended meetings and talks with the National Technology Officer and Software Asset Management and Compliance Director