

YUE WANG (JOSEPH)

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Professional Summary

Experienced full stack developer who knows how to build web applications from end to end.

Portfolio: <https://josephwang1993.github.io/>

Skills & Knowledge

- Agile Development
- Openapi spec
- JavaScript (Vanilla, ES6), Typescript, Java
- React, Node
- Jest and cypress tests
- PostgreSQL, MongoDB
- AWS, CI/CD
- Datadog, Sentry for monitoring and alerts

Education

Bachelor of Applied Science and Engineering: Computer Engineering, 2017
University of Toronto - St. George Campus - Toronto, ON

Work History

Intermediate Full Stack Developer

09/2018 to present

Touchbistro Inc – Toronto, ON

❖ Fulfillment System Project

- This is an automated device fulfillment system that pulls order from Zuora billing system, sends order to distributor (TPG - The Phoenix Group), keeps track of the shipping status and updates it on Salesforce for customer service agents to know the status of an order. It greatly helps TB's hardware team as they no longer need to place orders through email. It is also a great partner to other services as it provides information such as the serial number of a terminal.
- Designed and implemented the Node backend. This includes database schema design, endpoints design, writing the Openapi spec, implementing the server with Express framework and writing unit tests.
- Wrote a workflow using Touchbistro's workflow engine to accept order requests and place orders on TPG and save the order information to the fulfillment service database.

❖ Touchbistro payment terminals self-onboarding Project

- This project facilitates the payment terminal onboarding to Chase-Ingenico by allowing the payment team to onboard a merchant's terminal with a click of a button. Previously they had to fill in forms and email back to Chase.
- Wrote a workflow using Touchbistro's workflow engine to listen to the terminal onboarding event and then call a bunch of Ingenico endpoints to onboard terminals.
- Wrote a Node service (Payment Gateway Service) that is responsible for storing and providing the terminal's credentials that a terminal needs to login to Chase-Ingenico

system in order to make transactions. The data in the service is entirely encrypted at rest. This service is later on extended in the Wepay project to be used as the center of transaction history and payment configurations.

❖ Wepay Project

- This project integrates WePay (Chase) payment service into Touchbistro's payment service. The project involves onboarding of a merchant who chooses to use TB Payment with Wepay.
- Participated in the design of the customer service which is known as the source of truth of our customer data. This includes db schema design, api design, sensitive data handling, encryption, access auditing and etc.
- Worked on the workflows that call Wepay apis and customer service apis to sync data between wepay and our customer service. The workflows are triggered either by wepay sending us notification or customer service raises SQS events.
- Worked on the frontend that is used by both the merchant and the customer support team. The merchant uses it to fill in their own information, the customer support team uses it to see the progress of the merchant's onboarding so they can help them if needed.

Full Stack Developer,

06/2017 to 06/2018

Leonardo Worldwide Corporation – Toronto, ON

- ❖ Wrote new features to the existing system in Java.
- ❖ Fix bugs that were reported by QA or clients.
- ❖ Wrote Terraform scripts to manage artifacts in AWS S3 buckets.
- ❖ Worked with MySQL database
- ❖ Provided support for the customer support team to resolve client issues to save overall waiting time.
- ❖ Wrote code that's unit-tested, well-documented as per business requirements.
- ❖ Learned and used the frontend framework MarkoJS and SASS that's used in the frontend team to build a new website theme.

Software Developer Intern, 05/2015 to 08/2016

Densify – Markham, ON

- ❖ Learned how the product worked by fixing bugs in both the frontend and backend.
- ❖ Implemented new REST APIs in Java to adapt to new business requirements.
- ❖ Wrote and debugged SQL queries in order to fill values into the Business Intelligence report.
- ❖ Participated in building a Business Intelligence report with TIBCO JasperSoft Studio.

Projects

Multi User Chat Room

Personal Project , 08/ 2018

- ❖ Built a chatroom with React
- ❖ Used Redux to manage the state of the app (system messages and user chat messages)
- ❖ Used SocketIO in backend Node server to relay user messages
- ❖ Demo is at <https://ebchatroom.herokuapp.com>

Multi-modal Travel Planner

Capstone Project , 12/ 2016 to 04/2017

- ❖ Worked with a team to build a web-based map application for UofT CVST (Connected Vehicles and Smart Transportation) that gives recommendations on routes from a place to another by combining all possible travel modes
- ❖ Developed frontend with React and Webpack
- ❖ Responsible for backend Node server maintenance
- ❖ Strengthened problem solving skills by continuously discussing with other developers on websites such as StackOverflow

Event Sharing Social Web App

Web Programming Course Project , 09/ 2016 to 12/2016

- ❖ Involved in designing and developing a social web application where people can share events and make friends with each other
- ❖ Participated in the backend Node server development, including REST API implementation and MongoDB operations
- ❖ Enhanced the app's security by introducing Passport.js, a popular third-party authentication middleware for Nodejs