

# Brandon J Wong

Software Developer

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Hi! I'm Brandon, a software developer based in Vancouver, Canada. I have over 5 years of experience in software development and I've worked with multiple cross-functional design and development teams across startups and non-profits in Canada. I am looking to apply my skills to aid local communities in some tangible way.

## Experience

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### JUDI.AI

a fintech startup underwriting more than \$1B in credit for small businesses

Jan 2019 – 2024

#### Software Developer

- Developed of a NodeJS(TypeScript) REST API that processed credit application data into HTML, CSV, PDF, JSON, formats using Handlebars for string interpolation and Puppeteer for PDF generation
- Created a multi-container docker application that connected a NodeJS(TypeScript) service to Azure Blob Storage
- Created or maintained API integrations with 3rd party services like DocuSign, Experian, Equifax, Mx
- Maintained a Terraform IaC solution to configure reverse proxy routing rules for Azure API Gateway and roles and permissions for Auth0 (OAuth2 server)
- Led an initiative to improve API call performance by 60% by using Azure Data Studio to show repeated unnecessary round trips made to a SQL DB and suggested in-memory caching
- Established an Azure SQL Database rollback routine and managed its use in a failed production deployment of two tier 1 services
- Operated on services hosted on Azure App Service
- Wrote Github Actions workflows to build and test code in our CICD pipeline
- Wrote unit and integration tests for .NET, .NET Core, NodeJS, and React applications
- Configured an open-source React file explorer widget that made CRUD file operations to an internal API
- Implemented role-based access control using Auth0 into multiple .NET and NodeJS(TypeScript) services and a React SPA
- Maintained an Auth0 integration that enabled an OAuth2 authorization code flow between a React SPA and a NodeJS service
- Implemented Azure OAuth2 client credentials flow to secure communication between two .NET services
- Authored documentation for visualizing JUDI.AI's microservice architecture, discussing data flow issues, describing how to manage production data safely, and specifying project requirements and deliverables
- Taught members of our customer support team to use the Auth0 UI and role-based access control to assign permissions to manage user access to resources using Confluence and Microsoft Teams to demo to a group and discuss 1-on-1

## Skills

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### Runtimes

- Node.js
- .NET Framework 4 / Core

### Frameworks

- React
- Entity (ORM)
- Django

### Infrastructure

- SQL Server
- Terraform
- Github Actions
- Docker

### Platforms

- Auth0
- Azure

### Languages

- JavaScript
- C#
- Python
- Elm

### Software

- Postman
- Lucidchart

## Hobbies

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- volleyball
- karaoke
- table top games
- escape rooms

**Simon Fraser University & University of Saskatchewan** May 2017 – 2019  
behavioral economics research

### Research Assistant

- Built web-based games for economists to study procrastination and financial literacy
- Built an SPA for querying data from those games
- Built a program that parsed consumed human-readable reports written by a steel manufacturing company and encoded the data as CSV for an economics study

## Non-Technical Work Experience

### Calculus With Brandon

calculus and pre-calculus tutoring in the Burnaby area

Sep 2024 – Present

### Owner and Math Tutor

- in charge of sales, marketing, operations, and accounting
- assesses knowledge gaps provided instruction to build foundational understanding

### Douglas College

marking homework for MATH 1191 Math for Educators

Sep 2024 – Present

### Teaching Assistant

- graded homework, assessing for clear communication of math concepts
- provided actionable, finite advice for students needing guidance

### FedEx Express

transportation, e-commerce and business services

June – Nov 2024

### Cargo Handler

- Trained new hires
- Unloaded cargo into warehouse, scanned and sorted cargo on belt, loaded cargo into trucks

### Unema Lawn Care

neighbourhood nematode solutions to combat the chafer beetle problem

Apr 2012 – Mar 2013

### Operations and Logistics Manager

### Oxford Learning

pre-calculus, chemistry, physics, and English tutoring

Aug 2014 – Apr 2016

### Tutor

## Community

**Victoria UrbanRec Turfburn  
Volleyball Tournament Winner**  
Summer '23

**Vancouver Recreational  
Baseball League: Spitfires**  
Summer '14, '17, '18

**Vancouver Metro Soccer  
League: Rino's Fury B**  
Sep 2016 – Feb 2017

**SFU Computing Science  
Student Society: Treasurer**  
Sep 2014 – Apr 2015

**Tier I Senior Boys High School  
Soccer Vancouver  
Championship**  
2008, 2009, 2010, 2011

**Tier I Senior Boys High School  
Soccer BC Championship, 9<sup>th</sup>  
Place**  
2010

## Education

**Simon Fraser University**

Joint Major in Computing Science and Business Administration (B-Sci)

Sep 2011 – Dec 2020

**Kansai Gaidai University (関西外国語大学), Japan**  
Asian Studies Program (Exchange)

Aug 2013 – Jul 2014