

Stephen Wang

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EDUCATION

UNIVERSITY OF WATERLOO
Bachelor of Computer Science
3.7 GPA | 86% Cumulative Average

Sept 2020 – May 2025

SKILLS

Languages: Java, JavaScript, Typescript, C/C++, Python, HTML/CSS, C#, R, Bash, SQL, Racket

Technologies: Vue, Apache Kafka, MongoDB, React, Node, Express, Bootstrap, Material-UI, Django, jQuery, Azure

WORK EXPERIENCE

Full Stack Developer

Sept 2022 – December 2022

SS&C Technologies

Toronto, ON

- Devised a multithreaded **Python** script to populate PDF templates with client-specific data from **SQL** database.
- Implemented checksum algorithms such as **SHA256** to compare **PostgreSQL** data against known good values and identify discrepancies, detecting, and repairing corruption in **30+** databases.
- Shipped an **Apache Kafka** system that provides real-time notifications to clients of data changes in an **IBM DB2** database, utilizing Kafka's **publish-subscribe** functionality.

Junior Software Developer

Jan 2022 – April 2022

FarmLink Solutions

Winnipeg, MB

- Developed an interactive crop pricing map with **Django**, **Vue** and **leaflet**, providing real-time trends and local costs to thousands of users. Authored **50+** tests with **Jest** to ensure correctness.
- Created **20+ Vue** components to revamp registration, login, and payment forms with **Chargebee**, increasing **customer acquisition rates by 10%**.
- Optimized **SQL** calls in database of 1 million+ grain prices, **shortening query times by 80%** and decreasing end-user latency.

Web Developer

May 2021 – August 2021

Explorer Hop

Toronto, ON

- Overhauled a financial literacy webapp with **Django**, **JS**, **jQuery**, and **SQL** to build **30+** client-requested features including achievements, leaderboards, and a user trading system improving developer code maintainability.
- Wrote **30+** patches and hotfixes for functionality and UI issues, reducing downtime and support requests from clients.

PROJECTS

BudgetMonkey

github.com/ChickanWang/BudgetMonkey

- MERN webapp designed to help track and categorize monthly spending built with **React**, **Bootstrap**, and **Material-UI**, the backend was created with a **Node** and **Express** RESTful API.
- Data stored in **MongoDB**, user data was modelled using **Mongoose**, and passwords secured with **bcryptJS**.