

PREET MAKANI

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Languages – Java • JavaScript • MySQL • C++ • Python • TypeScript • PostgreSQL • C **Tools** – React • Node.js • Flask • PostgreSQL

EXPERIENCE

Prodigy

Toronto, ON

Software Engineer Intern – Backend

Jan 2022 – Present

- Designing, developing, and testing backend services/infrastructure to help every student in the world love learning

OpenText

Waterloo, CA

Software Engineer Intern – Backend

May 2021 – Aug 2021

- Migrated upwards of **3 million** user files by decrypting and encrypting with newly generated user keys to increase security
- Developed **Node.js** applications to verify, transform, and deploy (ETL) new data sets to production builds
- Resolved customer issues by investigating data discrepancies in **PostgreSQL** and **Postman** to sleuth user API's
- Developed and deployed a system which is responsible for Tenant Encryption and Decryption of files using Kafka and AWS
- Created comprehensive test suites using **Mocha** and **Chai** to reduce intermittent issues by 15% ~ improved quality of code

EzPay

Milton, ON

Co-Founder & Program Manager

May 2020 – Aug 2020

- Created EzPay, a web alternative to an online checkout that makes small business capable to execute online orders
- Rearchitected and built **Node.js** backend API, handline CRUD operations and managed request, routing and responses
- Increased sales by **25%** by providing this online checkout option as a solution to reduce in person traffic for COVID-19
- Organized development team to utilize Flask as a web-framework to execute database queries regarding select products

JPMorgan Chase&Co.

Remote

Software Engineer Virtual Experience

Winter 2020

- Architected and built **Perspective 2.0**, a visualizer that displays visual representation of stock prices on trader's dashboard
- Utilized React, typescript and JPMorgan's open-source software to build customizable graphs to display trends for stocks
- Developed a system to analyze stock price data with **Python** and **Perspective 2.0** to deliver actionable insights in real time

PROJECTS

Sweet!

Oct 2020 – Jan 2021

- Designed a web scraper that analyzes and tracks price of items on e-commerce websites using **BeautifulSoup** for sales
- Utilized **requests** to automatically send clients live price data, historical price data, and order updates

ChatBox

May 2020 – Jun 2021

- Architected and built a web application using **socket.io** to communicate between multiple clients and server
- Leveraged **Material-UI** capabilities and **React** to efficiently construct the user interface

ACHIEVEMENTS

- BigQuery for Machine learning – *Certificate from GDG Cloud Toronto*
- Waterloo Junior Engineering Competition - *Third place*

Dec 2019

Nov 2020

EDUCATION

University of Waterloo

Sep 2020 – Apr 2025

- Candidate for Bachelor of Software Engineering – *Average: 90.2*