PREET MAKANI

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

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*
- Developed **Node.js** applications to verify, transform, and deploy (ETL) new data sets to production builds
- Migrated upwards of **3 million** user files by decrypting and encrypting with newly generated user keys to increase security
- Resolved customer issues by investigating data discrepancies in **PostgresSQL** and **Postman** to sleuth user API's
- Developed and deployed a **system** which is responsible for Tenant Encryption and Description of files, **TEDS**
- Created comprehensive test suites using **Mocha** and **Chai** to reduce intermitted 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, handling **CRUD** operations and manage 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

JPMogran 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*
- Web scraper that analyzes and tracks price of items on e-commerce websites using **BeautifulSoup** for sweet 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 – *GDG Cloud Toronto*   *Dec 2019*
- Waterloo Junior Engineering Competition - *Third place*   *Nov 2019*

EDUCATION

University of Waterloo   *Sep 2020 – Apr 2025*
- Candidate for Bachelor of Software Engineering – Average: 90.2