

Preet Makani

preet.makani@gmail.com • preetmakani.github.io • github.com/preetmakani • 905-699-0748

Languages – JavaScript • Java • TypeScript • SQL • C++ • Go • Python • C# • C

Frameworks/Tools – Node.js • React • Flask • PostgreSQL • MySQL • Kafka • Git • Postman • Docker • AWS

EDUCATION

University of Waterloo

Sep 2020 – Apr 2025

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

EXPERIENCE

Prodigy

Toronto, ON

Software Engineer Intern – Backend [Node.js, TypeScript, GraphQL, JavaScript, NestJS, React, Docker, PostgreSQL]

Jan 2022 – Present

- Designed, developed, and tested backend **microservices** and **infrastructure** to help every student in the world love learning
- Spearheaded development of Mailer functionality which generated **\$120k** ARR and increased client conversion rate by **8%**
- Integrated **GraphQL** queries and corresponding handlers using **NestJS** to securely store character data for **250k** users
- Reduced database cost by **15%** and expanded throughput by **6x** by implementing **cache-aside** caching leveraging **webpack**
- Directed investigations with software directors to analyze root-cause discrepancies and develop new growth priorities

OpenText

Waterloo, ON

Software Engineer Intern – Backend [Node.js, JavaScript, Go, Angular, Kafka, Docker, PostgreSQL]

May 2021 – Aug 2021

- Securely Migrated upwards of **3 million** user files by decrypting and encrypting with newly generated user keys using **TEDS**
- Developed **Node.js** applications to verify, transform, and deploy (ETL) new data sets to production builds
- Utilized **JavaScript** and **Angular** to implement feature flag functionality to experiment various features on **40K+ users**
- Resolved customer issues by investigating data discrepancies in **PostgreSQL** and **Postman** to sleuth users REST 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 **35%** ~ improved quality of code

Westend

Milton, ON

Software Developer

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 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
- 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