



# JAMES F. KANU

Junior Software Engineer

Earnest problem solver, collaborative team player, and diligent worker.  
Currently working as a Software Engineer for Metric Masters.

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## SKILLS

C#  
.NET (WPF)

Python  
JS (React, Angular)

SQL (Postgres, MySQL)  
Redis

HTML/CSS  
Git

## WORK EXPERIENCE

### Junior Software Engineer – Metric Masters Ltd.

July 2021 – Present

Development of fleet-management and asset tracking software system for waste businesses.

- Responsible for all changes to existing Python ETL process and data analyzer, including bug fixes, refactoring, integrating Redis connection, and implementing new features.
- Partnered with Senior engineer to create a diagnostics website monitoring transmission of data from tablet devices, creating data visualization for system health analysis.
- Redesigned entire WPF client desktop application: updated UI, added new features, and implemented new controls to improve navigation and reduce user clicks.
- Partnered with Senior Engineer to improve performance by reducing database accesses and modifying system architecture to become more scalable. Increased autonomy of client devices by migrating server responsibilities, reducing CPU load of server up to 50%.

## EDUCATION

### University of Toronto, Honours Bachelor's of Science

2016 – 2021

Major in Mathematics, Minors in Computer Science & Statistics

## CERTIFICATES

### The Ultimate MySQL Bootcamp: Go from SQL Beginner to Expert

May 2021

Completed Udemy course to build a solid foundation in relational databases using MySQL.

### C# Intermediate: Classes, Interfaces and OOP

April 2022

Completed Udemy course to better understand and utilize language-specific features of C#.

## PERSONAL ACHIEVEMENTS

### UofTHacks VII: RBC Challenge Winner – Spend2Save

February 2021

In a 36-hour period, used Flutter & Android Studio to create a prototype mobile app 'gamifying' emergency fund saving for students.

### Alumnus Member/Captain of UofT Varsity Track & Field Team

2016 – 2021

Competed at the provincial and national levels as a varsity athlete.