# JAMES F. KANU
## 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

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|---|---|---|---|---|---|---|
| C# | WPF | ReactJS | Python | Redis | HTML/CSS | Docker |
| .NET | Blazor | AngularJS | PostgresSQL | MongoDB | Git | Kubernetes |

## WORK EXPERIENCE

**Software Engineer – Metric Masters Ltd,** Alberta, Canada                    July 2021 – Present

Part of fully remote engineering team at a startup in fleet management and asset tracking for waste management.

- Bug-fixing and coding new features in C# on both AWS server-based and front-end applications.
- Responsible for most UX enhancements and additions in WPF and Blazor applications. Controls frequently used include maps, charts, tables, sliders, report generators, and videos.
- Code ETL processes in Python to ingest high volume data from cameras, GPS, and RFID readers into databases.
- Implement web-based (Blazor) diagnostic and network administration tool to manage fleet performance, real-time status, and exception data.
- Consult end-users to implement complex features such as fleet administration, reporting, vehicle routing, inventory control, and billing system.
- Actively participate in requirements analysis and design changes at the architectural level.
- Database schema changes and administration for Postgres and Redis databases.
- Web API coding using MVVM controllers (C#) and Node.js.
- Setup and manage tools such as Github, YouTrack, and Telerik.

*Technologies: C#/.Net Framework 4.8, Entity Framework, Postgres, Redis, Python, Node.js, SQL, WPF, Telerik, Visual Studio 2022, VS Code, Github, Blazor, ESRI/GIS, RFID readers, GPS, USB and wireless cameras, YouTrack*

## PROJECT EXPERIENCE

**Palyglot – CSC301 Final Project (MongoDb, Express, React, Node.js & Figma)** ⬈                    Oct – Dec 2020

Working with a group, created a Pen Pal website to chat and improve literacy in a foreign language.

## 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 – Udemy** ⬈                    May 2021

Built a solid foundation in relational database creation, querying, and maintenance in MySQL.

**Docker and Kubernetes: The Complete Guide – Udemy** ⬈                    December 2022

Built, tested, and deployed Docker applications with Kubernetes while learning production-style development workflows.

## PERSONAL ACHIEVEMENTS

**UofTHacks VII: RBC Challenge Winner - Spend2Save (Flutter, Android Studio)** ⬈                    February 2021

In a 36-hour period, created 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 and as a team captain in senior year.