



JAMES F. KANU

Software Engineer

Earnest problem solver, collaborative team player, and diligent worker.
Approximately two years of full stack development experience.

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SKILLS

Fluent ★ Proficient ▲ Prior Experience ●

★ C#	★ Python	★ HTML/CSS	▲ WPF	▲ React	▲ Redis	● Docker
★ .NET	★ PostgreSQL	▲ Blazor	▲ Git	▲ Angular	● MongoDB	● Kubernetes

WORK EXPERIENCE

Software Engineer – Metric Masters Ltd, Alberta, Canada Jul 2021 – Jan 2023

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.