WILLIAM SULLIVAN

SOFTWARE DEVELOPER

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🔗 WEBSITE
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📍 LOCATION
Kingston, ON

PROFESSIONAL SUMMARY

A Software Developer with industry experience and a Masters degree in Physics. Specialising in **C#**, and with previous experience in full stack development on projects for Windows and Android. Adept with **SQL** and a variety of **XML** driven, UI frameworks. Eager to create efficient, and user friendly software for modern solutions. Looking for a position where I can exercise my skills to provide solutions to real challenges and grow as I establish myself in Canada.

CORE COMPETENCIES

Full-Stack Software Development	C#, Python	Database Design/SQL
Problem Solving	Statistical Analysis	Technical Communication
Software Testing	Teamwork	Research

EMPLOYMENT EXPERIENCE

SOFTWARE DEVELOPER | DataHorizon, Tewkesbury, UK

📅 September 2021 – November 2022

- Designed and updated user interfaces, implementing new features and building applications from the ground up.
- Developed and maintained web services and databases to be utilised by these applications.
- Executed testing to ensure a robust program and a reliable user experience.
- Worked with Nigerian officials on the NPMS application, enabling the control of national oil production.
- Modified a **WinForms** application, written in **C#** and leveraging **SQL** queries to access an **Oracle** Database.
- Refactored pivotal controls in a **WPF** application, adhering to modern development practices, improving the maintainability and repaying years of tech debt.
- Established a **WCF** service to facilitate remote data access from a Microsoft **SQL** Server Database and a request manager to utilise the API and handle the large amounts of data.
- Led the development of a **MAUI** application for Android to allow remote access of the data.

TECHNICAL ADMINISTRATOR | MypowerUK, Toddington, UK

📅 August 2020 – April 2021

- Coordinated paperwork, working with installation teams to ensure valid certificates and documents were acquired, then delivering them to customers. Cleared a backlog of a year's worth of clients in less than a month.
- Researched battery storage and analysed data, calculating expected returns from installing batteries to determine economic viability for clients.
- Developed a **Python** script during personal time to streamline the collation process and improve efficiency.

EDUCATION

Masters of Physics with Honours, Class II (Division I)

University of Birmingham, 2020

- Reinforced problem solving skills and technical communication abilities.
- Established a good foundation of knowledge for data science utilising **Python**.
- Culminated in numerous projects developing and utilising **AI** and **machine learning**.