# Karl Doherty

Software Engineer

**Date of Birth:** 10-02-2000 | **Phone:** (086) 2535939
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## Technical Skills

**Languages:** Java, Python, TypeScript, JavaScript, HTML/CSS, C#, SQL
**Frameworks:** Angular, React, .NET, Django
**Project Management:** AGILE, SCRUM, Github, GitLab

## Relevant Experience

**IRLCA Ltd** | *Full Stack Developer (Internship)*          *Clondalkin, Dublin* | *March 2022 - August 2022*
- Collaborated within a 6-person engineering team, where I played a role in the development of a cutting-edge commercial web application for the pharmaceutical industry. Worked on both front-end (utilising **Angular, HTML, and SaSS**) and back-end (using **C# and .NET Framework**) components to deliver a holistic solution.
- **Engaged in Agile methodologies**, actively participating in daily standup meetings to ensure seamless cross-functional collaboration and effective communication, resulting in accelerated project delivery and quality assurance.
- **Played a pivotal role in enhancing the user interface (UI)** of the application, ensuring a more intuitive and user-friendly experience for pharmaceutical industry professionals.

**O'Reilly's Sports** | *Website Maintenance*          *Ballybofey, Donegal* | *July 2023 - Present*
- Currently working in **WordPress** and **WooCommerce** web development, responsible for maintaining and updating a high-converting e-commerce website, which is constantly updated with new items, sales and offers.
- Participate in the **creation of visually appealing product pages**, category pages, and landing pages to showcase a diverse range of sports equipment and gear.
- **Collaborate closely with sales executives** to seamlessly integrate new collections into the company's website.

## Projects - *View All My Projects on Github.*

**Music Focused Social Media Application**          | *https://github.com/k4rldoherty/ArtistConnect* | *Angular, TypeScript, Firebase*
- Built a **music-focused social media app** with advanced features, including song recommendations, event discovery, private messaging, and standard social interactions (following, liking and commenting).
- Integrated **Firebase Firestore** to enable real-time data storage and retrieval, ensuring seamless interaction and content updates for users, as well as **Firebase Authentication** for secure user registration and login.
- Utilised **Google Maps, Spotify, EventBrite, and TicketMaster APIs** to enhance event finder location-based search and song recommendation features.
- **Conducted rigorous testing and debugging** to ensure a stable and error-free application.

**Football News Android Application**          | *https://github.com/k4rldoherty/PremNews* | *Java, Python, Android Studios*
- Engineered a sophisticated Android app for **multi-source web scraping**, offering users the ability to create accounts, select favourite soccer teams, search and filter articles, and receive real-time updates on their preferred teams from prominent news sources.
- Implemented **Firebase Functions to automate hourly web scraping**, ensuring a continuous database update with the latest stories.
- Empowered users with **advanced filtering and search capabilities**, enabling them to refine results by keywords, teams, and dates, while also offering sorting options by date and alphabetically.

## Education

**Dublin City University** - *Bachelor of Science In Computer Science*          *Dublin, Ireland* | *2019 - 2023*

### Relevant Coursework

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|---|---|---|---|
| Data Structures and Algorithms | Concurrent Programming | Object Oriented Programming | Software Principles and Methods |
| Full Stack Development | Database Management | Programming I-IV | Operating Systems |

*References Available On Request*