

Karl Doherty

Software Engineer

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Technical Skills

Languages: Java, Python, TypeScript, JavaScript, HTML/CSS, C#, SQL, C

Frameworks: Angular, NodeJS, .NET, Spring, Django

Project Management: AGILE, SCRUM, Github, GitLab

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

- Proficient 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.
- Collaborated with project partner to understand and **incorporate user requirements and feedback**, resulting in a user-centric platform.
- **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

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