

# STEPHEN DALY

## SOFTWARE ENGINEER

### CONTACT

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### SKILLS

- Software Design & Implementation
- Database Design & Development
- Testing
- Agile Development
- Requirements Gathering
- Cost Estimation
- Code Reviews
- Quality Assurance
- AI & Machine Learning
- Cloud Native Development
- Communication
- Teamwork
- Leadership
- Product & Feature Demos

### TECHNOLOGIES

- Java
- Python
- Kotlin
- JavaScript & jQuery
- HTML & CSS
- REST
- AJAX
- Firebase
- Docker
- Kubernetes
- WSL
- MySQL
- Spring Boot

### EDUCATION

**BSc (Hons) Software Design with Artificial Intelligence for Cloud Computing**

**Technological University of the Shannon: Midlands Midwest**

2023 - Present

**Grade:** Ongoing

**GPA:** Ongoing

**BSc Software Design with Artificial Intelligence for Cloud Computing**

**Technological University of the Shannon: Midlands Midwest**

2020-2023

**Grade:** Distinction

**GPA:** 95%

### PROFILE

Software engineer with a dedication for developing innovative technologies to drive business advancement. Proficient in revolutionary technologies and the design and implementation of software systems that are empowering to businesses and are end user focused. Assured in my ability to communicate, co-ordinate, lead and make strategic decisions in a stressful and demanding environment.

### WORK EXPERIENCE

#### LM Ericsson Athlone, Westmeath

**Software Engineering Placement** January 2023 - September 2023

2022 - 2023

- Designed end-to-end use case flows for end user requirements.
- Configured an API for end user REST requests using the OpenApi specification.
- Developed a Spring Boot REST controller to receive REST requests.
- Implemented the backend service logic for handling end user use cases.
- Configured a sample radio app to be used for testing in a cloud-based Kubernetes environment.
- Implemented Golang REST microservices for testing purposes.
- Designed visualization dashboards for resource and application based metrics for microservices.

**Software Engineering Internship** May 2022 - September 2022

- Gathered customer requirements and specified acceptance criteria.
- Participated in code reviews.
- Implemented Groovy user acceptance tests.
- Designed ER diagrams for the database system environment.
- Adapted ER diagrams to a Postgres relational database management system schema.

### PROJECTS

#### That's Cycling Android Application

September 2023 - Present

A revolutionary, user-friendly and dynamic social network cycling application. Providing cyclists of all skill levels a hub for communication along with a wide array of must-have cycling tools; such as a cycle geolocation and metric tracker, live weather updates, SOS features such as impact detection and advice for beginner and well-versed cyclists. Built using technologies such as Java, Kotlin, Firebase, Room RDBMS, Dagger Hilt, and the MVVM architecture.

#### UITMS

September 2022 - December 2022

A dynamic and responsive single page REST web application to manage access to IT resources in university environments. Built using technologies such as PHP, Slim framework, jQuery, MySQL Server, Apache web server, HTML, and Bootstrap CSS.

#### FIMS

September 2022 - December 2022

A dynamic web application built to manage the bookings and scheduling of flights from a variety of airlines. The application employs the Model View Controller (MVC) architectural design pattern. Technologies used include Java, JSPs, Java Servlets, web cookies, HSQLDB, Apache Tomcat web server, JavaScript, and CSS.

#### Tullamore Harriers AC Website

May 2022 - August 2022

A user-friendly application for the Tullamore Harriers Athletics Club. Provides the running community in Tullamore with up to date information about upcoming races, membership details, club records, social media updates, and contact information. Built using JavaScript, HTML, and CSS.

### REFERENCES

Available on request.