## Fergal D DalyFergalDDaly@gmail.com

**CURRICULUM VITAE**

fergalddaly.com

## Professional Profile

Over the past 25 years, I have held various positions in the technology field, including Senior Solution Architect, Software Architect, Development Manager, Technical Team Lead, and Senior Software Engineer. Throughout these roles, I have gained extensive expertise and experience across multiple sectors.

Currently, I hold the position of Senior Solution Architect at Bank of Ireland.

I am seeking to secure a new contract position from May 2025.

## Education

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| 2009 to 2011 | Master of Science (**MSc**)**: Finance**Thesis**:** High Frequency Algorithmic Trading Solution | Trinity College, Dublin, Ireland |
| 1994 to 1997 | Master of Science (**MSc**): **Data communications**Thesis: High Speed Data Communications | University of Limerick, Limerick, Ireland |
| 1990 to 1994 | Bachelor of Science (**BSc**): **Computer Science**Degree Awarded: First class Honours. | University of Limerick, Limerick, Ireland |

## Certifications

|  |  |  |
| --- | --- | --- |
| **Certification** | **Issued By** | **Issue Date** |
| [Architecting](https://www.credly.com/badges/d3b2ab10-ac5f-48ef-84e3-bda6db1a62da) | AWS | April 2024 |
| [Compute](https://www.credly.com/badges/48b7eb54-1f2b-40b3-b148-beb019487325/linked_in_profile) | AWS | March 2024 |
| [Events and Workflows](https://www.credly.com/badges/1425a4d3-df08-408f-bd02-ac17fba82d93/linked_in_profile) | AWS | March 2024 |
| [Serverless](https://www.credly.com/badges/cd3f9010-ecd6-4362-a493-6d4823c78dcf/linked_in_profile) | AWS | March 2024 |
| [Amazon EKS](https://www.credly.com/badges/20243677-41d7-4dec-8715-7ad1fc4530f7/linked_in_profile) | AWS | February 2024 |
| [Block Storage](https://www.credly.com/badges/11f98c82-0c61-4ee4-bea0-c14d528cc24c/linked_in_profile) | AWS | February 2024 |
| [Data Protection & Disaster Recovery](https://www.credly.com/badges/2452d8ff-2523-4b60-905c-02908830c8db/linked_in_profile) | AWS | February 2024 |
| [File Storage](https://www.credly.com/badges/fa902f88-400c-479b-91f8-d16b0b0a3b48/linked_in_profile) | AWS | February 2024 |
| [Object Storage](https://www.credly.com/badges/b8181d26-c571-40b5-8a27-d3176ac75803/linked_in_profile) | AWS | February 2024 |
| [Storage Core](https://www.credly.com/badges/60b86b08-400e-46f4-9c3b-edef47a039cf/linked_in_profile) | AWS | February 2024 |
| [Storage Technologist](https://www.credly.com/badges/05abd2a0-7c46-48cd-9352-2ba8777d08bb/linked_in_profile) | AWS | February 2024 |
| [Cloud Essentials](https://www.credly.com/badges/bdb6e34f-2942-4551-8cfd-4db5f4cabc38/linked_in_profile) | AWS | January 2024 |
| [Data Migration](https://www.credly.com/badges/2b18b8f6-6605-4117-ac92-1a810afaa48f/linked_in_profile) | AWS | January 2024 |

## Work Experience

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Start Year** | **Duration** | **Position/Role** | **Company** | **Location** |
| 2023 | 2.5 year | Senior Solution Architect | Bank of Ireland | Remote |
| 2021 | 1.5 years | Senior Solution Architect | Bus Éireann | Remote |
| 2016 | 5 years | Senior Architect | Canada Life Europe | Dublin / Remote |
| 2013 | 3 years | Architect/Developer | KBC | Dublin, Ireland |
| 2012 | 1 year | Architect/Developer | AIB | Dublin, Ireland |
| 2011 | 1.5 years | Senior Software Developer | Danu Technologies | Dublin, Ireland |
| 2010 | 9 months | Architect/Developer | First Derivatives / MIG | Dublin, Ireland |
| 2009 | 1 year | Senior Software Engineer | Cognotec | Dublin, Ireland |
| 2006 | 2.5 years | Solution Architect | O2 & Ericsson | Dublin, Ireland |
| 2006 | 6 months | Team Lead | Oracle | Dublin, Ireland |
| 2002 | 3.5 years | Senior Software Developer | T-Mobile | Bonn, Germany |
| 2002 | 6 months | Senior Developer | ADC | London, UK |
| 2001 | 9 months | Senior Software Engineer | LogicaCMG |  Birmingham, UK |
| 1999 | 2 years | Senior Software Engineer | Ericsson | Dublin, Ireland |
| 1997 | 2 years | Software Engineer | IONA Technologies | Dublin, Ireland |

## SENIOR SOLUTION ARCHITECT

## at Bank Of Ireland (from January 2023 to April 2025)As the project solution architect on a number of projects, I had the following key responsibilities:

* Deliver of key architecture / design deliverables
(e.g. Architectural Vision. Executive Overview and Architecture Summary Document, High Level Design)
* Solution presentation to ARB (Architecture Review Board)
* Submissions to BOI Solution Review(with Solution Architect)
* Technical governance of Solution Delivery

## **Solutions involved:**

* On Premise solution deployments
* Integration between on prem and cloud with vendor cloud offerings
* Secure data communication and data transfer between BOI and third party, cloud hosted solutions
* Data integration with Enterprise Data Warehouse / Enterprise Data Lake
* API services (REST APIs and SOAP Webservices, Mulesoft)
* Legacy systems integration (frontend integration, databases)
* Reusable patterns within BOI

## SOLUTION ARCHITECT

## at Bus Éireann (from June 2021 to December 2022)

## As a solution architect, at Bus Éireann, I had the following responsibilities:

* Prepare a sizing for the project by producing a ROM and present to TDA
* Provide Input to review meetings of tender responses
* Present proposed Design to TDA
* Liaise with internal and external stakeholders to address design issues
* Architecture Requirements Verification and Validation
* Prepare a High-Level Design based on the business requirements
* Production of Architecture designs, E2E Sequence diagrams and Data flow diagrams
* Provide Architect oversight for the implementation of the end-to-end solution
* Completion of market scans to support tendering process.
* Generation of the Pre-Qualification Questionnaire (PQQ) as part of the tendering process
* Draft and Specifying ITT (Invitation to Tender)
* Review and Score vendor responses @ PQQ and ITT Stage.

## SENIOR ARCHITECT

## at Canada Life Europe (from 2016 to 2021)

## Architecture

## As a senior architect, I was technically responsible for projects of various sizes involving both in-house teams (development, infrastructure, security, compliance, legal) and third-party vendors.

## I regularly presented my solution designs to the Technical Design Authority.

## Solutions involved inhouse development, outsourced development, the use of external cloud solutions, integration to on-premise services. Solutions were deployed both on-premise and to the cloud; most involved a hybrid solution.

## During my 5 years at Canada Life Europe (CLE), the most notable projects related to the digital transformation programme:

* CLE's new website and web applications
* Identity and Access Management solutions
* API-led approach and microservices architecture
* Cyber Security programme
* Cloud HR solution

## Development

## While primarily executing architectural duties, I also had the opportunity to develop a number of solutions (e.g. Fund Service, Serious Illness Calculator, cyber security framework, Virtual DBA) and proof of concepts (e.g. cybersecurity, IAM).

## When the need arose, I acted as technical team lead (e.g. defining technical tasks, conducting code reviews).

## References

References and contact details for previously held positions can be provided on request.