Fergal D Daly

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CURRICULUM VITAE

fergalddaly.com

Professional Profile

For the past 25 years, I have worked in various technical roles: solution architect, software architect, development manager, technical team lead, senior software engineer. Recently, I have specialised in the financial services and banking sector.

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

I am seeking to secure a new contract position from July 2024.

Education

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	AWS	April 2024
Compute	AWS	March 2024
Events and Workflows	AWS	March 2024
Serverless	AWS	March 2024
Amazon EKS	AWS	February 2024
Block Storage	AWS	February 2024
Data Protection & Disaster Recovery	AWS	February 2024
File Storage	AWS	February 2024
Object Storage	AWS	February 2024
Storage Core	AWS	February 2024
Storage Technologist	AWS	February 2024
Cloud Essentials	AWS	January 2024
Data Migration	AWS	January 2024

Work Experience

Start Year	Duration	Position/Role	Company	Location
2023	1.5 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 June 2024)

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.