Personal Details

Name: Kevin Foley   **Contact Number:** +353 (0) 87 1378964

Address: 11 Saint Columba's Rd Lower,   **Email Address:** kevin.foley21@hotmail.com

Dublin 9,

Ireland.

Experience Record

Date: February 2020 – Present

Location: BT Communications Ireland Limited

Positions: GIS Technology Specialist

Responsibilities:

- BT Ireland GIS Systems Single Point of Contact.
- GIS Database Manager (SQL Developer).
- Manager of FME workbenches.
- Designing and Building new FME workbenches to implement BT Ireland's Transformation Strategy.
- Scheduling FME Workbenches and Stored Procedures.
- Integrating Eircode and Geodirectory database schemas into our GIS system.
- Provide GIS solutions on the most strategic and cost-effective sites to bid for in tender responses for major customer bids.
- Experienced in the management of GIS data across an entire project lifecycle.
- Experienced in the documentation of processes, workflows and technical requirements.
- Drive quicker turn arounds in the pre-bid/pre-sales processes.
- Work Pack assembly.
- Data management.
- Internal/external data requests.

Highly skilled in:

- PL/SQL
- FME
- QGIS

Experience Record

Date: August 2013-March 2019

Location: Mallon Technologies

Positions: GIS Technician, GIS Forestry Support Officer, GIS Specialist

GIS Technician:

- Data Capturing to established procedures
- Quality Control
- Report writing
- Train the Trainer

GIS Forestry Support Officer:

- Manage all forestry Queries
- Non-conformance logging
- Regression Testing
- Creating JIRA's
- Improve quality Standards

The Office of Public Works (Contract)

Flood Risk Management Data Management Team

March 2019 – February 2020

GIS Specialist:

- Generate and Publish high quality maps (www.floodinfo.ie)
- Spatial Querying
- Height Conversion of OSGM02/OSGM15 Geoid Models (Grid Inquest)
- Geo-referencing (Assigning real-world coordinates to each pixel of the raster)
- Raster and Vector Reprojection (Irish Grid/Irish Transverse Mercator, etc)
- Terrain Profiling (Cross Sectional Analysis of River Channels)
- Data Cleaning (Arterial Drainage Corrections)
- Generating Heat Maps, 3D Visualisations and Running Interpolation algorithms (IDW)
- NDVI Production and Analysis (Extracting Waterbodies using NDVI)
- WMS/WMST, WFS
- GRASS, SAGA and GDAL
- Sentinel Hub, Copernicus, SRTM, Earth Observing System (Semi-Automatic Classification)
- Responsible for GIS training of OPW staff
- Producing the 2019 OPW GIS training manual.
- Point of contact to assist OPW staff with any of the above or any GIS issues they may experience

Education and Professional status

2016: Fitzwilliam Institute Diploma in PL/SQL and Oracle programming

Grade received: Distinction

Skilled in the following:

- Retrieving, filtering and grouping data
- Working with subqueries and advanced joins
- Inserting, updating and deleting data
- Creating, updating and deleting tables
- Creating views, indexes and stored procedures
- Adherence to industry standards when oracle programming

2015: Portobello Institute Diploma in Environmental Impact Assessment

Grade received: Distinction

Outcomes:

- Understand the process and best practice for EIA and relate them to current best procedures in Ireland operating under relevant EU Directives.
- Identify and evaluate an appropriate environmental policy for a project/organisation.
- Understand the specialist roles in the environmental impact assessment process.

2008-2012: Limerick Institute of Technology, BSc (Hons) Environmental and Natural Resource Management.

Grade received: 2.2

Modules covered:

- Geographic Information Systems
- Environmental Maths & Computing
- Water Quality Analysis & Treatment
- Environmental Monitoring & Modelling
- Water Resource Management
- Climate & the Atmosphere
- Carbon & Sustainable Energy
- Organisational Behaviour & Management

Dissertation:

"Comparing Anaerobic Digestion to Dietary Change in the Irish Dairy Herd: An Analysis of the Cost Effectiveness and Methane Emission Reduction Potential"

March 2021: Enrolled in a Part-Time Full Stack Software Development Diploma course

Learnings:

- HTML Fundamentals
- CSS Fundamentals
- User Centric Front-end Development
- JavaScript Fundamentals
- Interactive Front-end Development
- Application Programming Interfaces (API's)
- Python Fundamentals
- Practical Python
- Data Centric Development
- Full Stack Frameworks

<u>**References available upon request**</u>