

Mark O’Gara

Naas, Co. Kildare

Tel: +353 87 297 1345 **Email:** hello@markogara.ie **Web:** markogara.ie

Summary.

Profile I am a senior data analyst with an expertise in visualisation design, data engineering and data analytics. I have extensive consultancy experience with highly developed problem solving skills and a strong business acumen. In my current role, I work with senior business stakeholders to turn functional requirements into robust technical solutions that use data to help drive business decision making.

Education.

2013—2014 **Higher Diploma in Computing (Data Analytics) (1.1 Hons.)**

Dublin Institute of Technology School of Computing, Kevin Street, Dublin 8.

Awards DIT School of Computing ‘Best Higher Diploma in Computing Dissertation’ (Zynga Prize, 2014).

Modules Data Analytics, Probability & Statistical Inference, Advanced Databases, OO Software Development, Systems Analysis & Testing, Information Systems, Web Development & UI Design, OS & Networks.

Dissertation Probable outcomes in Indian Premier League T20 cricket matches – wrote custom web scraping modules in Python to extract observations from hundreds of webpages. Carried out statistical analysis, PCA, data sub-setting, data visualization and classification modelling using R and ggplot.

1992—1998 **Degree & Diploma in Architecture - Dip.Arch., B.Arch.Sc. (Hons.)**

Trinity College Dublin & Dublin Institute of Technology, Bolton Street, Dublin 1.

Modules Computing, Design Studio, Design Technology, Contract Law, Urban Design, Engineering, Economics & Cost Control, Professional Practice, Civilisation Studies.

Affiliations Member of the Royal Institute of the Architects of Ireland and the National Register of Architects.

Relevant Experience.

Feb. ’17—Present **Senior Data Analyst, Glanbia.** *Global Technology Centre, Dublin Road, Kilkenny.*

- Worked as part of a team with Accenture to develop an enterprise analytics strategy, leading to the implementation of a Hadoop data lake. Currently migrating production models to this environment.
- Automated the weekly ETL of data from our distribution partners (including aggregated competitor data) into Hadoop using R. Developed a series of Tableau dashboards for iPad using this data to communicate patterns, trends and market share insight for our global sales & marketing teams.
- Worked as part of a team to analyse customer acquisition and retention through the doorstep channel of a business unit, providing immediate actionable insight leading to annual savings of c. €50k p/a.
- Wrote a Python module to extract and transform data from .pdf documents e-mailed daily by a large multiple. This module is a core component in a SAP business process to automate the creation of documents in our production environment, leading directly to annual savings of c. €25k p/a.
- Developed a customer/material profitability dashboard in Tableau, providing an interactive customer basket view to identify the most appropriate action at a SKU level to influence customer profitability.

Jul. ’14—Feb ’17 **Data Analyst, Glanbia.** *Global Technology Centre, Dublin Road, Kilkenny.*

- Analysed multiple years of POS data from a B2C retail partner using R. Developed a series of Tableau dashboards to communicate insight to senior stakeholders, resulting in Glanbia’s appointment as ‘Category Captain’ for another B2C retail chain. Received a ‘Customers’ Champion’ award from Glanbia for my work on this project.

- Analysed multiple years of SAP QM and MM data to accurately measure ‘right first time’. Developed a series of dashboards to demonstrate the impact of seasonality on raw material and calculate the probability of meeting customer specifications at different times of the year. This work was described as ‘game-changing’ in 2016 by a senior milk planning manager.
- Modelled Glanbia’s milk collection network over multiple years using R and Tibco Spotfire, identifying a c. €500k p/a saving by matching supplier’s historical milk constituent profiles with optimum production facilities at non volume critical times of the year.
- Worked as part of a team to analyse stock adjustment patterns for a range of SKUs using clustering and regression analysis in R. Production changes made as a result of this analysis reduced out-of date stock loss by over 50% at two sites (c. €120k p/a) and helped to initiate a MES linked stock adjustment count. This project was a finalist at the ECR Supply Chain awards in October 2015.
- Worked as part of a team to model SLA compliance. Extracted perfect order index data to train, test & validate a logistic regression classification model that predicted sets of late deliveries with 50% accuracy based only on variables known at the time of order creation.

Mar.—Jul. ’14 **Software Developer (Internship), Riffstation.** *Dogpatch Labs, Dublin 2.*

- Worked as part of a software development team using an agile methodology to code JavaScript modules integrating client-side interactions with server-side JSON. Defined use-cases, developed paper and digital prototypes, and assessed UI patterns for a web version of existing desktop software.

Other Experience.

2009—2013 **Director, O’Gara Architects.** *Portarlinton, Co. Laois.*

- Member of the RIAI and the National Register of Architects. Responsible for the design, execution and management of a range of work, including all financial, client and contract administration.

2004—2009 **Associate & Senior Project Architect, Cooney Architects.** *32 The Coombe, Dublin 8.*

- Design team lead, responsible for managing multi-million Euro works from inception to completion, analysing policy and legislation, managing clients, and administering building contracts.

2002—2004 **Architect, Architecture Studio.** *75012 Paris, France.*

1999—2002 **Architect, Marcel Breuer Associates.** *75003 Paris, France.*

1998—1999 **Architect, Keane Murphy Duff Architects.** *South City Quay, Dublin 2.*

Abilities.

Management Demonstrable leadership track record in client-facing roles managing multi-million euro projects in the private and public sectors. Enjoy working as part of a team while mentoring the development of junior team members by adopting an inclusive approach to decision making.

Communication Confident, articulate presenter with excellent oral and written communication skills, developed through the preparation and delivery of material to project stakeholders, senior managers and clients.

Software Extensive experience developing with R (R Studio), Tableau (Desktop & Online), Git (GitHub), Hadoop (Hive), Tibco Spotfire, SAP (BW, BeX & Business Objects) and Microsoft Excel.

Languages R, Python, SQL, JavaScript, d3.js, HTML, CSS. Fluent in French, lived in Paris from 1999—2004. Studied German to Leaving Certificate level, lived in Berlin from 1995—1996.

References available on request.