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ABOUT ANDREW

I am a senior consultant covering design, integration, development and implementation of applications.

Specialist with 7 years' experience of working in consultancy from project inception (including requirements workshops and meetings with client) to design, development and delivery. I am currently providing technical leadership to deliver a digital service supporting government department's needs using agile methodologies. I pride myself on my client-facing skills having the ability to discuss options with both technical and non-technical personnel.

As a consultant I have experience of leading numerous agile projects involving; **web development, requirements gathering, data analysis, data science, user acceptance testing, data visualisation/transformation, infrastructure design and DevOps.** I place an emphasis on client engagement managing stakeholders with clear communications forming strong client relationships.

EXPERIENCE

SENIOR CONSULTANT - SOPRA STERIA, *October 2016 - Present*

- Development and technical consultancy lead for advanced solutions including:
  - o NIFAIS – lead consultant on integration solution to manage animal data
  - o Single Data Model (SDM) – lead solution from discovery, testing to live
  - o DEARA – lead consultant reviewing land management ETL for managing payments
  - o LPIS Editor – business process consultant managing solution to government agency
- Data ETL and data transformation Team Lead (Data Science)
- Product team lead with experience in building prioritized, documented, and communicated product roadmaps, agile stories, and acceptance requirements
- Requirements gathering workshops
- Business Development & Discovery Exercises
- Business Intelligence and analytics to streamline Veterinary Services processes
- Technical team lead NIFAIS GIS Solution
- Provide a key development and consultancy role in the delivery of a number of work streams for large functional projects.
- Design, development and implementation of technologies including software design, integration and development.
- Business Analysis including procuring and understanding client requirements, definitions and have a detailed understanding of system processes and architecture.

- Management and engagement: client-facing skills with a broad understanding of database technologies, technical system architectures and a proven ability to discuss options with both technical and non-technical personnel.
- Expert in High-Level and Low-level design of Systems.
- Client engagement and management throughout product lifecycle: from defining requirements and developing applications to supporting UAT and releasing applications.

CONSULTANT - SOPRA STERIA, *June 2014 - October 2016*

- Consultant to DEFRA for scoping FME workbenches for RLR to LMS: Extract, Transform and Load (ETL).
- Consultancy for client MVP and development of user stories
- Working as link between client and development team utilising established technical expertise.
- AGILE development model - Development activities relating to tasks derived from User Stories.
- Specialist in application development from project inception (including requirements workshops and meetings with client) to design, development and delivery.
- Clarifying requirements with product owners and clients prior to development.
- Management and engagement: client-facing skills with a broad understanding of database technologies, technical system architectures and a proven ability to discuss options with both technical and non-technical personnel.

WEB DEVELOPER - ADEPT/ROADS SERVICE, *December 2013 - May 2013*

- Development of online viewers for Roads Service based on Flexviewer.
- Consultancy for client MVP and development of user stories.
- AGI Award winner for developing models within viewer called Integrated Slope Assessment Toolbox (ISAT). Project called 'Integrated spatial approach using GIS for Slope Risk Assessment – The Roads Service Model'.

PHD STUDENT - QUEENS UNIVERSITY BELFAST, *September 2010 - June 2014*

- Fully funded PhD in Data Science.
- PhD developed computer models for slope stability using advanced statistical approaches.
- PhD title 'Spatial analysis approaches for the characterisation and monitoring of slope instability and deformation'.
- International consultancy in PhD developing web applications for Canadian Rail Research Laboratory

CONSULTANT – RSK, *May 2008 - September 2010*

- Employed directly from my MSc course as a consultant for RSK Ireland, ltd. As a consultant I carried out many duties including client and sub-contractor liaison and managing large environmental projects.

Key skills

- **Business process design** (process analysis, design, and improvement)
- **Web-based applications** (UI/UX design, usability design, data integration)
- **Communication skills** (interpersonal, written, presentations, workshop facilitation)
- **Project management** (development planning, review, and refinement)
- 7 Years consultancy expertise
- **PhD** in Data Science and analytics
- Design, development and implementation of projects
- Managing customer journeys delivering working systems
- Good communicator with experience presenting at international conferences
- Articulate and friendly – ability to communicate to people from all levels of organisation
- Service design and risk management
- Functional and technical design specification
- Responsive Design/Service Design/Business process design
- Experience in cross Functional Teams
- **AGILE** Development & Scrum
- Discovery exercises - Alpha then Beta.
- Business Development exercises
- Proof of Concept applications – developing models for business cases
- Lead consultant managing workshops
- Big Data: advanced statistical methods and modelling (R/Python)
- Line Management of staff

TECHNICAL EXPERIENCE

- Technical team lead - data management of spatial data ETL operations.
- Mobile Solutions including developing applications utilising Android .apk extensions.
- Technical Expertise of programming languages including : Python, ArcObjects (.NET), VB.NET, R Statistical Language, SPSS, .xml, .xaml, HTML5, Javascript and C#.
- Good communication skills – ability to adapt language to form relationships with technical and non-technical customers.
- Integration – AZURE, .NET and Angular system design and implementation.
- Capability to manage multiple priorities with demonstrable experience through business processes and collaboration tools, i.e. Slack, Jira, TFS, AGILE, Kanban
- Administrative experience utilising MS Visio, MS Word, MS Excel, MS PowerPoint, MS TFS and HP ALM Quality Centre. Extensive experience of Use Case diagrams and Class Diagrams. Supporting clients in all aspects of their requirements.

INTERESTS

Apart from being a senior consultant with experience in research and the IT industry I also enjoy sports and being outdoors. I am an avid hockey player and during the summer I enjoy sailing and surfing.