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 departments geospatial 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 senior consultant I have experience in delivering numerous agile projects involving; web development, requirements gathering, data analysis, 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.

Functional expertise

* 5 years consultancy experience
* Provided a key development and consultancy role in the delivery of a number of work streams for large functional projects.
* GIS expertise for development and technical consultancy for advanced GIS solutions.
* Ability to work with limited guidance performing daily tasks without supervision - currently the only Sopra Steria employee managing a DAERA team encompassing multiple GIS solutions.
* Experience of DAERA client technical GIS consultancy on GSAA, Veterinary Services, LPIS Editor and Farm Investment Planner applications from project inception to delivery.
* Design, development and implementation of new GIS technologies including GIS software design and development.
* GIS consultant with knowledge of the latest GIS developments and future strategy
* Expert in GIS consultancy for procuring and understanding client requirements, definitions and have a detailed understanding of system processes and architecture.
* Creating custom development of map widgets and workflows based on the requirements of GIS customers and stakeholders.
* 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.
* Contributed to the definition of scope and deliverables for DAERA GIS applications.
* Expertise in High-Level and Low-level design of GIS Systems.
* Broad technical knowledge of multiple GIS applications
* Good communication skills – ability to adapt language to form relationships with technical and non-technical customers.
* Experience of working in consultancy, development and business analysis for GIS software applications.
* Client engagement and management throughout product lifecycle: from defining requirements and developing applications to supporting UAT and releasing applications to live environments.
* Promoted Sopra Steria GIS consulting solutions in LPIS review, LPIS Discovery and DAERA management workshops.
* Expert knowledge of latest DAERA and Sopra Steria applications, development and future strategy for GIS.
* Emphasis on client engagement including shaping of overall solutions with key internal and external stakeholders.

Technical expertise

* Educational qualification including PhD, MSc and BSc.
* Functional GIS expertise utilising Full ESRI software suite including ESRI Javascript API for developing HTML5 and Silverlight viewer applications.
* Open source GIS expertise of including : Open Layers, GeoServer , GRASS GIS, R Spatial, QGIS, and LASTools.
* Esri web app builder, ArcPortal and ArcGIS Online: developing map services, apps and external facing GIS applications.
* Application of Latitude Geographics Geocortex Suite of Software including : Geocortex workflow designer (VB.NET) and Geocortex Essentials Manager for managing and modifying sites (.xml/.xaml), Geocortex report designer and Geocortex Analytics.
* Technical expertise in data management of spatial data including FME Desktop and Server.
* Mobile Solutions including developing applications utilising Android .apk extensions for GIS Viewers.
* Knowledge of SQL Server (Oracle Spatial) including creating stored procedures, views and interactions to database from GIS Server.
* Technical Expertise of programming languages including : Python, ArcObjects (.NET), VB.NET, R Statistical Language, SPSS, .xml, .xaml, HTML5, Javascript and C#.
* Ability to work under pressure whilst still achieving demanding targets.
* Creation and maintenance of ArcGIS Server and ArcGIS Online map/feature/image services.
* Administrative experience utilising MS Visio, MS Word, MS Excel, MS PowerPoint, MS TFS and HP ALM Quality Center.
* Extensive experience of Use Case diagrams and Class Diagrams.
* Supporting clients in all aspects of their GIS requirements as a single consultant.

Summary of Project Experience

July 2016 to Present – Department of Agriculture Environment and Rural Affairs (DAERA) – GIS Consultant for Veterinary Services team within DSD (Digital Services Division)

* Development of internal and external GIS viewer applications for DAERA.
* Lead GIS consultant with a sound knowledge of the latest GIS developments to advise and shape overall solutions for DSD.
* Specialist in GIS 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.
* Contributed to shaping of overall solution with key internal and external stakeholders
* Designing, creating, testing and implementation of GIS software and solutions with focus on delivery to the client.
* Development of GIS viewers, workflows and custom activities.
* Technical environment: HTML5, Geocortex, Javascript, VB.NET, ESRI ArcServer/ArcMap/ArcCatalog, C#, Oracle Spatial, .xml, .xaml and FME.

July 2015 to Present – Department of Agriculture and Rural Development (DARD) – GIS Consultant for DARD Corporate GIS : Geospatial Aid Application (GSAA)

* Development of External GIS viewer applications for DARD.
* AGILE development model - Development activities relating to tasks derived from User Stories.
* Clarifying requirements with Business Analysts and clients prior to development.
* Development of viewers, workflows and custom activities.
* Extensive knowledge of the latest developments and future strategy of GIS for DEARA including infrastructure, solutions and applications.
* Technical Environment: HTML5, Geocortex, Javascript, VB.NET, ESRI ArcServer/ArcMap/ArcCatalog, C#, Oracle Spatial, .xml, .xaml and FME.

August 2015 - DEFRA – GIS consultant for Legacy LMS

* GIS consultant to DEFRA for developing FME workbenches for RLR to LMS : Extract, Transform and Load (ETL).
* Developing workbenches into three main work streams : 1. Loading data in from legacy dataset, 2. Transforming data to communicate and be sampled within new application, 3. Output of data load into new and relict applications.
* Technical environment:FME, Geoserver, OpenLayers, Javascript.

June 2014 to Present – Department of Agriculture and Rural Development (DARD) – GIS Consultant for DARD Corporate GIS : LPIS Editor and eMap

* Development of Internal and External GIS viewer applications for DARD.
* Working as link between client and development team utilising established technical expertise.
* Development of client viewer applications with advanced editing capabilities.
* Development of public facing external map viewer applications.
* Worked closely with the Project Manager in running workshops to establish high level goals to digitise a government field mapping service.
* Both short term and long term goals were established for further creation into smaller projects to ensure effectiveness of application.
* Liaising with client to write test scripts for UAT.
* Technical environment: HTML5, Silverlight, Javascript, VB.NET, ArcObjects, C#.Net environment.

Summary of Previous Employment

December 2012 to March 2013 – Association of Directors of Environment, Economy, Planning & Transport (ADEPT) / Roads Service – Principle Project Analyst

* Development of online viewers for Roads Service based on Flexviewer.
* 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’.

September 2010 to June 2014 – Queens University Belfast – PhD Student

* Fully funded PhD in GIS.
* 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

May 2008 to September 2010 – RSK – Environmental Consultant

* 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.

Education

* 2016 – Sopra Steria Fast Track Academy
* 2015 – BCS certificate for BCS Foundation Certificate in AGILE
* 2014 – PhD in Spatial Analysis and GIS
* 2013 – Association of Geographic Information (AGI) student of the year
* 2008 – MSc in Landscape, Heritage and Environmental Science (GIS)
* 2007 – BSc in Geography (2:1)

Language(s)

* English (native speaker)
* German (Beginner – enrolled on course October 2016)