

# Clive Kelman

## Information Systems and Data Consultant

Bristol

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Willing to relocate to: switzerland, UK, France

### WORK EXPERIENCE

#### Enterprise Data Architect

CPA Global Limited - December 2015 to Present

##### Responsibilities

Responsible for oversight of the data and information assets of a global information company. Leading on data migrations for CRM and ERP systems to the cloud. Designing and building global BI solution. Designing the enterprise data models. Designing the master data solutions. Supporting suppliers such as Microsoft in implementing the cloud based infrastructure, solutions and integrations.

##### Accomplishments

Migrating Oracle to Oracle Fusion

Migrating Salesforce to Microsoft Dynamics

Leading data migrations

Designing enterprise data models and master data solutions.

Managing on shore and off shore teams and providers/

Building corporate BI solution

#### Data Architect

NRW - Cardiff - September 2014 to Present

Responsible for overseeing the migration of all data from 3 organisations into one new organisation. Involving hundreds of business applications and data bases. Creating the enterprise data strategy, organisational policies and managing the data migration team. Managing the design of infrastructure and move of all systems on to Azure.

Creating the data vision and strategy for the new organisation.

Setting the principles, standards and policies for the organisation.

Architecture of cloud based solutions.

Managing the data migration and cutover of the legacy systems to new.

Managing the move to cloud based Microsoft Azure hosting and services.

Designing the MS Dynamics CRM solution.

Designing and implementing the Single Customer View.

Designing and implementing Master Data Management.

Managing the migration of three Oracle Finance systems to one instance of Agresso.

Managing the data delivery team responsible for migrating the data to the new organisation.

Managing the relationships with 3 National organisations to ensure successful business transition and continues effective working relationships.

Managing the DBA team.

Data Governance.

Enterprise Architect, Azure, SQLServer, Oracle, .Net, SOA, Cloud Software As a Service and Platform As a Service, ERP, MS Dynamics

## **Information Systems Architect**

SCAS - Winchester - October 2013 to April 2014

### **Responsibilities**

Hired to design the IT and information solution required to manage the businesses for the next 5 years.

Identifying the current and future Management Information needs, designing the solutions and programme of works required including the Data Warehouse and BI projects.

Working with internal and external key stakeholders as well as Directors and the Board. Managing the business analysis and development teams while mentoring the information management team.

### **Accomplishments**

- Working with senior stake holders to determine the business needs and taking high level road maps to implement them as a functional specifications and projects.
- Information Systems Architecture – Identifying enterprise solutions with key stakeholders and planning the integration of systems and services.
- BI Strategy – Working with stakeholders to identify Management Information (MI) needs, defining the roadmap and solutions for MI and Business Intelligence. Designing and implementing £250K virtualisation of the BI systems.
- Data Architecture – Designing the end to architecture for the business. Integrating operational systems data in real time. Designing architecture of the BI solution.
- Data Analysis – Identifying existing key business indicators, defining missing indicators and resolving quality issues around essential KPIs. Identifying key information issues and opportunities for the business. Leading the analytical team strategic analysis for the business. GIS analysis and modelling for optimised spatial forecasts and optimisation of resources.
- Responsible for communicating between stakeholders and the business to ensure all stakeholders were bought in to the Organisational Change

## **Head of Information**

Carillion - Stevenage - December 2012 to September 2013

### **Responsibilities**

Head of Information working for the CIO of Carillion, managing the IM team and operational BI systems

- As the most senior staff on site I was acting IT Director.
- Working with directors, senior management.
- Responsible for statutory reporting submissions to national government organisations and commissioners.

### **Accomplishments**

- Designing the Data Architecture for the business and implementing a new data warehouse and requirements for operational data systems.
- Leading the analytics team for all business reporting.
- Managing the design and development of the SQLServer Data Warehouse and Reporting Services.
- Managing local and remote development teams.
- System integration, Enterprise Architecture.
- Implementing the IT documentation standards around operational reporting protocols and data systems.

### **Skills Used**

- SQL Server 2005 and 2008, SSIS, Reporting Services, PAS, .Net

## **Information Management Consultant**

AP Moller Maersk - February 2011 to July 2012

Working for the world's largest shipping company. Developing Teradata's biggest European Enterprise Data Warehouse solution with an overall budget of over £100M. Integrating Financial and operational systems with Master Data to provide global integrated business intelligence reporting.

Managing two teams, the data modelling and data sourcing teams.

Responsible for managing the integration of global system feeds into the data warehouse.

Managing the coordination of the global Enterprise Architecture team with the delivery of the Physical Data Model and operational data warehouse.

Enterprise Architecture – defining the Logical Data Model. Creating documentation and standards in accordance to Enterprise principles. Working with the EA team to ensure adherence to global standards, delivery of the conceptual, logical and physical data models.

Data Architecture – leading all aspects of the data model. Requirements capture and development of the logical data model and managing the mapping team. Subject Matter expert for source system data models.

Systems Architecture – delivery of global source systems to the EDW. Working with EA team, system and business owners of source systems to ensure reliable integration.

Data Analysis – Querying and analysing all source data to ensure data quality and volume issues are resolved. Supporting presentation tier and reporting team in descriptive analysis of business data. GIS analysis of global asset data.

Documentation - technical and management documentation including the connection specifications, SLAs, OLAs, Test protocols, functional and non-functional specifications.

Stakeholder engagement - managing the relationships with the key business owners and stakeholders. Running workshops and project communication.

Team leadership – managing the delivery of the two teams responsible for the foundation layer of the data warehouse.

Master Data Management

3rd party management and management of offshore development teams.

Project management – providing clear time lines and documentation to both teams, stakeholder and the programme management team.

Business analysis – extending the business requirements capture, documentation and end to end engagement with stakeholders.

Erwin, Teradata, IBM WebSphere (Message Queue), SAP Business Objects, Microsoft reporting stack, SQL

## **Senior Consultant**

Tribal Consulting Ltd - February 2010 to December 2010

Brought on board to develop Tribal's own Business Intelligence systems.

Also working with Directors and heads of departments to improve the commissioning and delivery of services for all of the PCTs in the South Central alliance. Enabling better commissioning of services for all PCTs. Consulting with PCTs, providers and PbCs to improve the way primary care and secondary care integrate and deliver more effective services.

Developing IT project strategies. Integrating multiple systems to monitor performance and design services.

Working with Directors, A.D.s and multiple user groups with joint requirements. I helped Tribal develop Business Intelligence tools to harvest the information into one management environment.

Working to support GPs commission better services.

## **Divisional Information Manager**

NHS Foundation Trust - Taunton - April 2009 to December 2009

Somerset NHS Foundation Trust

Managing information for a foundation hospital. Managing the information team to deliver information to the management of the Trust providing many daily reports, weekly dashboards and scorecards as well as the adhoc reporting. All while developing the new Business Intelligence environment.

Organising reports and the performance management for the directors and divisions. Working with the local informatics teams to develop a new Business Intelligence systems for the Information Department and improving existing informatics systems.

Managing a team of 4 analysts and the joint management of 15.

We developed a MOSS Business Intelligence solution to deliver information in an integrated way so that management needs were met faster with information better organised and able to answer the complex questions.

## **Data Science Manager**

Environment Agency - Bath - December 2005 to April 2009

National role for the UK's largest public body. Leading the delivery of the Agency's £5 million project to bring the best Business Intelligence and informatics into the operational business.

National reporting

Lead for statistics across the UK.

Business Intelligence

Big Data

Machine Learning, Artificial Intelligence, IOT

Data Mining

Service Orientated Architecture (SOA).

Ontologies, Semantics, OWL, IOT and horizon scanning technologies

Mobile data and applications development

Ensemble modelling, cluster computing

Project Management of internal and external projects

Team management, 3rd party management

Business Analysis

Data Analysis and statistical modelling

Climate change monitoring

Defining the environmental data and XML standards

Web Services, Cloud computing

Enterprise Architecture

GIS

Sensor Networks

.Net, Java, SQL Server, Oracle, ArcServer, Windows, UNIX, Linux, VPN, mobile computing, SOA, Hadoop

## **Senior Information Analyst**

Cardiff University (Cardiff) - Cardiff - 2005 to 2005

Modelling Welsh medical data to produce predicted risks of emergency admissions to hospital for the Welsh population and identifying where the targeting of resources would avoid this.

Starting the project which now runs as PRISM.

Business Analysis and requirements gathering.

Business Intelligence

Artificial Intelligence, Machine Learning and statistics

Data and systems integration

Data Mining

## **Statistician**

University of Bristol - Bristol - 2004 to 2004

Bristol)

Developing desktop GP CVD calculators. Using patient information to calculate the risks of cardio vascular disease with a calculator to be made available to GPs on their desktops. It involved assessing risk of CVD using parameters including age, ethnicity and lifestyle using ONS National data sets and STATA (similar to SAS). Using epidemiological statistics to draw out specific risk characteristics including ethnicity etc. to improve patient risk assessments. A BHF project to develop desk top based GP tools.

### **Research Fellow**

Department of Surgery, Queen Mary University - London - 2002 to 2004

London)

Leading UK research into Trauma analysis. Identifying clinical factors for patient recovery and rehabilitation after serious Trauma.

Developing AI software for the analysis of accident and emergency information. The work is carried out to define the relationships between patient injury and disability along with accurate long-term disability prediction. Working with the trauma doctors to develop GA optimised neural networks for the prediction of patient outcomes.

Similar to work now currently being done by TARN.

Using Access, VB, SQL and MATLAB.

### **Systems Administrator, Barts and the London**

Department of Surgery, Queen Mary University - London - 2003 to 2003

Trust (London)

Testing new software systems from commercial providers on NHS networks. Based at the department shown on the BBC1 series Trauma.

I led the testing of new PAS software and Business Intelligence interfaces ensuring integration with existing A +E systems and hospital wide systems. Working with both the software providers and the NHS staff generating requirements and alteration specifics.

Working mostly with VBA systems, the hospital database systems, Patient Administration System database and Access server databases.

### **Software Consultant**

Imaj Consulting Ltd - Andover - 2001 to 2002

Andover)

Developing bespoke Business Intelligence software systems to identify business pressures and analyse the information to provide targeted solutions to those pressures.

Developing data analysis software for forecasting business demands and the optimised business response strategies to deal with those using evolutionary computing and mathematics.

Optimising multi objective models with genetic algorithms developed in MATLAB.

Systems developed mostly with C maths engines and VBA interfacing with Excel and Access.

Developed rostering/scheduling software for NHS Direct and some of the major banks.

### **Principal Developer, for the E.C. project**

Reykjavik, Iceland - IS - 2000 to 2001

Working on a European Community project to develop a web based Data Mart for the integration of scientific marine data across Europe. Working with scientists and ministries from all over Europe. Developing an interactive data warehouse to support the analysis of the fish populations across Europe collaboratively to set the EU fishing quotas.

Responsible for managing all of the technical development, organising development across EU countries. I developed the user interface and connecting technologies. This involved the use of Java, JDBC, CORBA,

several databases including Oracle, PostgreSQL and ORBs. ./ Developed on Solaris work stations and implemented in Java for cross platform compatibility. Creating one of largest biological virtual database in the world at the time.

## EDUCATION

### **Artificial intelligence**

MSc Computational Intelligence university of Plymouth  
1999

### **B.Sc. in BIOLOGICAL SCIENCES**

BIOLOGICAL SCIENCES University of Plymouth - Plymouth  
1996