Jamie Whitehorn

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Profile

I blend and clarify data in novel ways to create new and illuminating insights.

I'm currently studying a self-funded MSc in Data Science at Dundee University. For the last 25 years I've worked in IT as a programmer, solutions architect, and trouble-shooter.

- *Creative* - I use data in novel ways
- *Curious* - I work beyond the obvious
- *Tenacious* - I don't give up
- *Technical* - I adapt across diverse platforms

Technical Skills

Analytical Systems
Conceptual modelling, data modelling, Sun models, requirements analysis, data warehousing, business intelligence and data quality.

Big Data Analysis
NoSQL databases such as Cassandra and Hadoop with MapReduce. Lamda architecture, algorithm design and functional programming with Erlang.

Analytical database modelling and design
Star schemas, ROLAP, MOLAP and HOLAP. Measures, dimensions and hierarchies. Slowly changing dimensions.

Data Analysis and Visualisation
Pattern Analysis, Data Mining, CRISP-DM, Distribution types, statistical tests, and visualisation tools such as D3.js.

Analytical Languages
Multi-dimensional data analysis, MDX, analysis and graphing with R, Python and Javascript.

Advanced Statistics and Data Mining
Bayesian statistics, Monte Carlo simulations, machine learning, pattern recognition, neural nets, and use of Dark Data.

Transferable Skills

Data Manipulation
Designed and implemented a unique system that consolidated and aggregated data from disparate IBM departments and systems to give new insights into the interaction of IBM and its Business Partners.

Presentation Skills
Presented at a wide variety of national and international conferences including IBM's Technical Universities and O'Reilly's Strata Conference.

Trouble-shooter
Resolved customer situations by listening, empathising, communicating, problem solving and technical expertise.

Planning and Implementation
Planned, managed and implemented multiple customer solutions, conferences, certification and education programs.

Career Summary

UNIVERSITY OF DUNDEE
MSc Student in Data Science   **2013 - present**

Self-funded MSc in Data Science with six major subjects. Project working with a major multi-national company to formulate their Big Data Strategy and provide predictive failure analysis for their systems.

IBM UK LTD
Technical Consultant   **1996 - 2013**

Business Partner Technical Manager (Storage)   2010 - 2013
In charge of technical enabling IBM's UK Business Partners, by organising conferences, implementing a remote education system, ensuring compliance and liaising with European and World-Wide teams. Designed and implemented a unique system that consolidated and aggregated data from disparate IBM systems to give new insights into the interaction of IBM and its Business Partners. Provided technical consultancy and expertise for the Business Partners

Techline   2006 - 2010
Provided remote technical consultancy to IBM sales force and business partners and worked as a solutions architect. Ran the UK's remote consultancy team.

Pre-Sales Consultant   1996 - 2006
Provided consultancy to IBM sales force and customers by understanding customers' technical challenges and relating them to solutions that leveraged IBM technology as a solutions architect.

Trouble-shooter   1996 - 2013
Engaged as a trouble-shooter to resolve customer situations providing the valuable combination of technical expertise, problem solving and customer handling skills.

DATA SCIENCES LTD
Manager / Analyst / Senior Programmer   **1988 - 1996**

Service Manager   1995 - 1996
Implemented a Customer HelpDesk, responsible for interviewing, hiring and managing staff, and responsible for delivery of the service to an agreed SLA.

Senior Programmer / Analyst   1998 - 1994
Analysed customer needs, specified, designed and coded programs to these requirements.

Education and Qualifications

Postgraduate
University of Birmingham   **1985 - 1988**
The Synaptonemal Complex of *Crepis capillaries*

Undergraduate
Queen Mary College, UoL   **1982 - 1985**
2(i) BSc Genetics

Interests and Activities

Dog Agility
- Ran an agility club for 3 years
- Agility Club Approved Instructor (ACAI)
- Kennel Club Approved Judge

Photography
- Run a small photography company specialising in equestrian & canine photography