**Colin Ferguson**

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***Personal Profile***

* Exceptional relationship-building skills in communicating at all levels.
* Readily adapt to new technology via education and assignments.
* Consistently commended for ability to work as a team member or independently while achieving critical deadlines.
* Accomplished professional skilled in building customer rapport, troubleshooting, and problem resolution.
* SC Security Clearance, VC Security Clearance

***IT Experience***

* ***MCDBA***
* ***Microsoft Certified Technology Specialist***
* ***Database Modelling & Azure Design,***
* ***Installing, Configuring and Administering Microsoft SQL Server All versions***
* ***Business Intelligence Development & Maintenance (Tabular & Dimensional)***
* ***Developing SQL Server Reporting Services All Versions***
* ***Developing Analysis Services Cubes, KPI & Star Schema warehousing***
* ***Developing SSIS Packages for SQL***
* ***Administering SQL Server Reporting Services***
* ***High Level Design Data Flows for landing and disseminating data***
* ***Service Broker***
* ***Cognos 8 BI 8.3***
* ***Power BI***
* ***Server Support***
* ***Azure databases***
* ***Azure Data Lake Analytics***
* ***Azure Data Factory***
* ***Big Data Solutions; Hbase, Spark & Hadoop***
* ***Oracle 11gR2***

***Previous experience in I.T. includes:***

* Administering SQL all versions *& Oracle 11gR2* in a Production Environment within a Financial Institution, Language Technology & Health Service; SC/VC clearance environment
* Working with VL database (40TB)
* Always on, Database Mirroring, Service Broker, Partitioning, Encryption (TDE)
* Creating & Deploying Reports for management using SSRS & Cognos 8
* Administering the companies Data Warehouse & BI deployment using Cognos 8
* Using Cognos Datamanager for building Data Marts
* Using Framework manager to model data prior to Cognos reports
* Developing SSIS Packages for Datawarehousing and automation of company processes
* Developing SSRS Reporting Solutions based on relational & dimensional sources
* Creating SSAS cubes and dimensions, developing measures & tuning
* Data Solutions Architect for Financial data warehouse
* Azure Big Data Solutions; databases, data factory & Data Analytics

**Knowledge includes**:

* The ability to analyse a current system for the purpose of extracting a list of entities and attributes
* The knowledge to generate the ‘the third normal form’ for each of the entities in the preparation for the creation of tables in a relational database
* SQL Database Dimensional Modelling (Kimble)
* The knowledge to implement a database solution
* The ability to design, construct and manage databases using Microsoft SQL Server 2000/2005/2008/2012/2014/2016/Azure Sql Database
* Utilisation of the Microsoft database query language – Transact SQL, MDX, DAX, Hive, U-SQL
* The knowledge to create and maintain a SQL Server, including the provision for allowing user access and database security issues
* Create & Deploy Reports using Visual Studio
* Build Data Marts with Cognos Datamanager
* Model data using Framework Manager
* Build Data Marts with SSIS
* Build Solutions using Service Broker
* Build Solutions using Azure Big Data Stack
* Develop Cubes SSAS & Tabular Models
* Designing Security models for access

**Operating Systems:** Windows XP, Windows 2000, Windows 2003 ,Windows 2008R2 & Windows 2012

**Software Packages:** VERITAS Foundation, Netcool, Netbackup, VMware, Cognos 8, NETAPP

**Databases:** SQL Server 2000, SQL Server 2005, SQL Server 2008, SQL Server 2012, Oracle 11gR2

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***Employment Summary***

NHS Digital January 2013-Present

Senior Technical Specialist

* Administer Multi Terabyte Oracle database holding Hospital Data
* Administer SQL databases for both internal & external customers
* Mirror & Clone Sensitive data to internal & external Customers
* Develop 2012 SSIS packages for distribution of sensitive data
* Tuning and Optimisation of company’s application databases.
* Advising on best practice database design and implementation
* Data and metadata modelling to industry best practice
* Analysing current SQL solution and improving upon
* Create and maintain various maintenance ‘Jobs’ within SQL Solution to enhance performance**.**
* Technical fault finding and issue resolution.
* Produce Technical Specifications and Design documentation in support of Business Requirements.

Jet2.Com

BI Developer July 2012-December 2012

* Design Data Marts Using Microsoft Analysis Services & Microsoft Reporting Services to produce Reports.
* Produce Reports using the MDX language
* Troubleshoot existing reports and Data Marts
* Design Database Schema to model business processes
* Design SSIS packages to load Data warehouse (ETL)
* Dimensional modelling for Mart and Warehouse solutions. Both Enterprise and Requirement Specific.
* Maintain Warehouse Data Model.
* Tuning and Optimisation of company’s application databases.
* Data and metadata modelling to industry best practice

Thebigword

Senior Database Administrator December 2011-June 2012

* Dimensional modelling for Mart and Warehouse solutions. Both Enterprise and Requirement Specific.
* Maintain Warehouse Data Model.
* Tuning and Optimisation of company’s application databases.
* Data and metadata modelling to industry best practice
* Technical fault finds and issue resolution.
* Produce Technical Specifications and Design documentation in support of Business Requirements.
* Manage the day to day operation of SQL Server in a Production Environment
* Design SISS packages to implement business needs
* Analysing current SQL solution and improving upon
* Build Reporting Solutions at user request
* Tuning SQL Stored Procedures to further enhance the system
* Create and maintain various maintenance ‘Jobs’ within SQL Solution to enhance performance

International Personal Finance

Data warehouse Solutions Architect August 2011-December 2011

* Dimensional modelling for Mart and Warehouse solutions. Both Enterprise and Requirement Specific.
* Maintain Warehouse Data Model.
* Hands on build and support of SQL Scripts and Cognos Data Manager Catalogues.
* Tuning and Optimisation of load processes and Mart and Cube builds.
* To fault find and support Data Quality within the environment as required.
* To develop the design of IPF’s Data Warehouse environment.
* Work with supplier resources to assure the design aspects of any externally managed development.
* Data and metadata modelling to industry best practice.
* Hands on build of Data Warehouse solutions using IBM Cognos and Microsoft Business Intelligence/Data Management technologies.
* To support ETL and batch load processes in appropriate windows, driving continuous improvement.
* Hands on optimisation of ETL and data load routines.
* Technical fault finds and issue resolution.
* Dimensional modelling, Warehouse and Mart design.
* Produce Technical Specifications and Design documentation in support of Business Requirements.

Provident Financial

Database Administrator September 2007 – July 2011

* Manage the day to day operation of SQL Server in a Production Environment
* Design & Deploy SSRS solutions
* Design & Deploy SSAS solutions
* Design SISS packages to implement business needs for Data warehousing ETL process
* Developing new applications for distribution across the network
* Analysing current SQL solution and improving upon
* Administering the Data warehouse and BI network
* Cognos Administrator

EDS January 2007-September 2007

**Systems Administrator/SQL DBA**

* Working in a secure environment requiring SC & VC (MoD Security Clearance)
* Effectively prioritise a broad range of responsibilities to consistently meet tight deadlines. Demonstrated success in surpassing productivity and performance objectives.
* Successfully meeting all targets within deadlines in a pressurised environment.
* Administering several Production SQL Server Instances on a day to day basis
* Creating and maintaining DTS packages for various export options in SQL
* Analyzing current SQL solution and improving on by monitoring SQL Stored Procedures.
* Tuning SQL Stored Procedures to further enhance the system
* Create and maintain various maintenance ‘Jobs’ within SQL Solution to enhance performance
* Responsible for the new implementation of new Instances and applications using a SQL “back end”
* Developing new applications for distribution across the network
* Develop ‘Clustering Solutions’ for server failover

Nissan December 1992 - 2006

**Manufacturing Staff/IT Support**

* Designed and implemented SQL Solutions for tracking maintenance repairs on cylinder heads
* Introduced an improved SQL system for the recording and logging of damaged bumpers by part, model ECT. This included weekly and monthly reports automatically sent to the relevant areas
* Proven track record of making sound decisions in all areas of hardware and software technical problems.
* Articulate in oral communications; clear and concise in written communications and technical documentation. Recognised ability to quickly generate trust and develop rapport.
* Pioneered and implemented procedures to establish greater car storage

***Employment summary prior to October 1992 is available upon request***

* Rigblast Offshore Oilrig Worker
* DuPont Offshore Oilrig Worker
* APG Offshore Oilrig Worker
* Tyne Tees Contractors Shipyard Worker
* Swan Hunters Ship Building Technician (Apprentice)

***Education & Training***

Computeach International Database Modelling & SQL 2000 Design

MCP 70-229, MCP 70-228 and MCP 70-290

Installing, Configuring, and Administration of Microsoft SQL Server 2000 and Windows 2003 Server

Microsoft Corporation Implementing Microsoft SQL Server 2005 70-431

Newcastle College TEC ll

CSE’s Subjects include Mathematics & English

Full driving licence

