

Andrew Smith

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SUMMARY

- An experienced relational database professional with 9 years' combined development and administration experience of Oracle and SQL Server
- Focused on using best-in-class patterns and techniques to meet business requirements, i.e. using approaches already known to work well and not reinventing the wheel (See my website for examples.)
- Microsoft certified: gained MCSA certification in SQL Server 2012/14 in January 2017
- Specialist in SQL Server ETL and BI – see my website at <http://www.andrewleesmith.co.uk> for a portfolio of my work on SSIS, SSRS, SSAS & T-SQL
- Hard working, conscientious, thoughtful, flexible, attentive to detail and always sees work through to completion

EXPERIENCE

January 2016 -
January 2017

Description: **Career Break**

Reason: **Cross-trained from Oracle to SQL Server & created my website**

Skills & Achievements:

- Gained Microsoft MCSA certification in SQL Server 2012/14, after completing Microsoft exams 70-461, 70-462 and 70-463 on T-SQL, SSIS and SQL Server DBA
- Continued on the path to Microsoft MCSE Business Intelligence certification by completing Microsoft exam 70-466 on SSRS and SSAS (MD and Tabular). I'm now prep'ing for the remaining MCSE exam
- Created a portfolio of my SSIS / SSRS / SSAS / T-SQL work via 35+ articles on my website at <http://www.andrewleesmith.co.uk>

August 2007 -
December 2015

Company: **Seven Telematics**

Role: **Software Developer, SQL Developer & Oracle DBA**

Skills & Achievements:

- Part-time role as an Oracle DBA for 8 years, which included building and subsequently maintaining a two-node 11g RAC cluster on Redhat Linux
- This included designing & implementing the backup strategy, performance tuning via query plan analysis & the profiling of PL/SQL code, optimising the indexing across the system, and implementing partitioning for large tables to support performance and purging of historical data
- Designed, implemented and made live a project that moved the whole Oracle-based telematics system from in-house servers to a managed data centre
- Developed C and PL/SQL code for 8 years, using the former to implement multi-threaded communications servers for trackers to talk to via TCP sockets over GPRS, and the latter to process raw data received by the comms servers into the schema used for real-time and historical reporting by the Seven Telematics website
- Developed PL/SQL stored procedures to implement telematics data feeds to customer systems via FTP interfaces and XML web service interfaces, and to implement a SOAP-based interface with an SMS gateway used for SMS'ing instructions to trackers
- Used VBA (via Excel) to develop several dozen custom reports for clients that queried, analysed & presented telematics data from the Oracle database
- Met key customers to understand their requirements, wrote requirements specifications to reflect their needs, and implemented and rolled out the subsequent developments

December 1993 - Company: **PricewaterhouseCoopers**
December 2004 Role: **Software Developer**
Skills & Achievements:

- Used object-oriented design and Windows C++ development as part of a team that developed a financial consolidation system
- Designed the schema (i.e. the persistent class hierarchy) for the ObjectStore Object-Oriented DBMS used by the consolidation system, as well as implementing the object methods for data storage and retrieval
- Developed an OLE DB Provider to present a star schema view of the ObjectStore persistent class hierarchy, for use by BI tools such as Cognos & SSAS

September 1989 - Company: **Ford Motor Company**
December 1992 Role: **Software Developer**
Skills & Achievements:

- Developed monitoring software in Pascal that interfaced to Programmable Logic Controllers running CNC machines at Halewood Transmission Plant
- Developed data entry software in Pascal that implemented part of a Quality Management System at Dagenham Body & Assembly Plant

NOTES

Regarding time in between jobs:

- From 2005 - 2007 I moved from London to the South Coast, and spent time renovating a period property that I bought in Worthing
- In 1993 I did voluntary work abroad, working on a Kibbutz

QUALIFICATIONS

Jan. 2017: Microsoft MCSA certification: **SQL Server 2012/2014**

Jan. 2017: Microsoft exam 70-462: **Administering Microsoft SQL Server 2012/2014 Databases**
(measured SQL Server DBA skills)

Dec. 2016: Microsoft exam 70-466: **Implementing Data Models and Reports with Microsoft SQL Server**
(measured SSRS and SSAS MD/Tabular skills)

Jun. 2016: Microsoft exam 70-461: **Querying Microsoft SQL Server 2012/2014**
(measured T-SQL skills)

May 2016: Microsoft exam 70:463: **Implementing a Data Warehouse with Microsoft SQL Server 2012/14**
(measured SSIS skills, and also logical & physical data warehouse design and the use of Master Data Services & Data Quality Services)

Jul. 1989: **BSc (Hons), Computer Science, 2:1** from Warwick University (including courses on Neural Networks, Artificial Intelligence, Mobile Robotics & Teleoperations, Graph Theory, Finite Automata & Formal Languages, Concurrent Programming in C and Assembly Programming)