C.V. for Mr. Raymond Mardle

PERSONAL DETAILS

Full Name	Raymond Mardle
Nationality	British
Address	Available on request
Telephone	013398 83436 : Mobile 07474 012 747
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Driving Licence	Full and clean British
Languages	English
References	Available on request

QUALIFICATIONS

BSc in Computer Science, awarded in 1982 after a four year "thick sandwich" degree course
Certified Sybase Professional
Certified Sybase Instructor : Taught courses on T-SQL, ASE, IQ, Replication Server, InfoMaker and Sybase High Availability

PUBLICATIONS

"Massaging Statistics in Heterogeneous ASE Environments" – an International Sybase User Group Journal article : appeared in the Q3 2006 issue
"Surviving Multiple Simultaneous Threshold Firings" – an International Sybase User Group Journal article : appeared in the Q2 2005 issue
"Upgrading Adaptive Server Enterprise (ASE) with Replication Server Warm Standby" – a Sybase technical white paper : it was located on the Sybase web site
AS IQ Quick Reference Guide – for AS IQ 12.4.2, 12.4.3 and 12.5, and Sybase IQ 12.6
Historical Server Quick Reference Guide
ASE 12.0 sp_syntax installation
SAP ASE Repository at https://www.lumphanan.com/ase/ : a collection of system procedures and scripts for SAP ASE

PRESENTATIONS

28th March 2023 to UK SAP ASE User Group – Cheating With Optimiser Statistics In SAP ASE

AWARDS

February 2001	Sybase Asia Pacific Consultant of the Year for 2000 – Recognition by Practice Manager and senior management in the Asia Pacific region
October 2000	Sybase Quarter 4 Above and Beyond Super Hero Award – Peer recognition for providing services to clients above and beyond the usual expectations
February 2000	Sybase Australia Southern Practice Consultant of the Year for 1999 – Recognition by Practice Manager

MOST RECENT EMPLOYMENT

28th May 2018 to 5th June 2023 – JP Morgan Chase, Glasgow and working from home

Vice President – SAP ASE and IQ Developer, and ASE and IQ Subject Matter Expert

Products	SAP ASE 16.0, SAP IQ 16.0
O/Ss	Linux
Languages	T-SQL, Linux shells, awk
Skills	Performance and Tuning, Application and Database Design, SQL Scripting, Unix Scripting, awk Scripting
Client Area	Investment banking

- Initially worked on improving the performance of ASE stored procedures, with improvements between twice as fast to over 10,000 times faster, and other changes as required for new or changed functionality
- Designed and built an IQ methodology for pivoting data held in tens of millions of rows in nine source tables with a few tens of columns each, to up to twenty-one wide tables with many hundreds of columns each, to replace an existing system that did something similar in memory, but which was not usable in the Asia Pacific region as the memory was in the UK. Using string replacement and a set of include files, changes in one procedure's source file were replicated to twenty one other procedures, allowing for the easy maintenance of a vary complicated process

- Designed and built an IQ methodology for identifying changed pivoted data, and another IQ methodology for extracting the changed pivoted data, to push it to one of three regional data repositories
- Deigned and implemented a rebuild of the IQ processing stack for getting the rows used in the pivoting process stored in the required tables, to be more robust and have better error detection and handling
- Was the primary point of contact when unexplained issues occurred in various SAP ASE or IQ servers
- Acted as a mentor to other members of the team for SAP ASE and IQ
- Ensured that databases in several ASE servers, and IQ servers, had sufficient space at all times to continue operating, including developing a way of doing targeted defragmentation in ASE on huge partitioned tables
- Created, chaired and marked quizzes for a large number of colleagues, that were held nearly every week from soon after the COVID lockdown was imposed in March 2020, up to the middle of November 2021

PREVIOUS EXPERIENCE AND EMPLOYMENT

4th Oct 2016 to 27th May 2018

Working on my own projects to create SAP ASE system procedures and scripts, and make them available to the worldwide SAP ASE community.

Products	Sybase ASE 15.5.x, SAP ASE 15.7, SAP ASE 16.0
O/Ss	Windows 7, Virtualised RHEL 7.4
Languages	T-SQL, Unix / Linux shells, awk, Perl, DOS

18th June 2007 to 3rd Oct 2016 – JP Morgan Chase, Glasgow but working from home

Initially a Freelance Sybase Developer. 5th July 2010 onwards, Vice President – ASE Developer and ASE Subject Matter Expert

Products	Sybase ASE 12.5.x, SAP ASE 15.7
O/Ss	Solaris 9, Linux
Languages	T-SQL, Unix / Linux shells, awk, Perl
Skills	Performance and Tuning, SQL Scripting, Unix Scripting, awk Scripting, Perl Scripting
Client Area	Investment banking

- One of five ASE experts involved in ensuring that upgrading to SAP ASE 15.7 from ASE 12.5.x and ASE 15.{0| 5}.x occurred with no problems; including project managing the upgrades on several weekends
- Investigated new capabilities in ASE 15.7 to ensure that their use would not have any negative impacts
- Visually checked the code of ASE stored procedures for a number of teams to ensure that they would not cause problems when released into production
- Identified performance problems and recommended solutions
- Wrote or extended various utilities to assist in the diagnosis of performance problems
- Made changes required for the ongoing enhancements to the Analytics system

3rd July 2006 to 15th June 2007 – William Wilson Limited, Aberdeen

Oracle Developer

Products	Oracle 9i
O/Ss	HPUX 11
Languages	SQL, PL/SQL, Bourne Shell
Skills	SQL scripting, Unix scripting
Client Area	Suppliers of goods and materials for plumbing, heating and electrical use

- Assisting with the merging of two companies' stock control, purchase and sales data into a single system, for the launch of a single combined company selling electrical equipment

13th September 2004 to 16th June 2006 – JP Morgan Chase, Glasgow

Freelance Sybase Developer / DBA

Products	Sybase ASE 12.0, Sybase ASE 12.5.x
O/Ss	Solaris 2.5 to 2.8
Languages	T-SQL, Unix shells, nawk
Skills	Database Administration, Performance and Tuning, SQL Scripting, Unix Scripting, nawk Scripting
Client Area	Investment banking

- On going duties included the identification of performance problems and to recommend solutions
- Extended an automated monitoring system to allow quick identification of performance or blocking issues
- Recommended the standard installation to use for ASE 12.5.x

- Wrote stored procedures to summarise statistics information and allow the setting of statistics requested steps and to modify column density information
- Assisted with database administration tasks related to server configuration

27th October 2003 to 10th September 2004 – Mott MacDonald, Glasgow and Aberdeen
Freelance Sybase Developer / DBA

Products	Sybase ASE 12.5, Sybase ASE 12.5.1, Sybase AS IQ 12.5
O/Ss	Windows 2000
Languages	T-SQL, DOS Shell
Skills	Database Design, Database Administration, SQL Scripting, DOS Scripting, Datawarehouse Design
Client Area	Traffic monitoring

- Implemented an ASE database system to store traffic monitoring data, for future traffic flow trend analysis
- Converted the ASE system to AS IQ

17th February 2003 to 24th October 2003 – Deio Computer Systems, Kuopio, Finland and Waterlooville near Portsmouth, England
Freelance Sybase Developer / DBA

Products	Sybase ASE 12.5, deioClinisoft
O/Ss	NT 4.0, Windows 2000
Languages	T-SQL, DOS Shell
Skills	Database Design, Security Design, Database Administration, SQL Scripting, DOS Scripting, Course Development, Teaching
Client Area	Health (patient monitoring software)

- Designed and implemented the security requirements for moving from a single login to individual user logins for the deioClinisoft and deioWarehouse products, and the changes needed to provide the new functionality required in the next release of the products
- Designed and implemented a method to "replicate" ASE security changes between two ASE servers on different computers, using BCP and remote procedure calls
- Designed, developed and delivered a condensed course on Sybase database administration, aimed at non-DBAs; and designed and developed a condensed course on Sybase performance and tuning
- Assisted with solving Sybase database administration and performance problems
- Designed and implemented a log transfer mechanism for replicating data between ASE servers without using Replication Server

3rd August 1998 to 14th August 2002 – Sybase Australia, Melbourne

Consultant, Senior Consultant

Products	Sybase SQL Server 11.0.x; ASE 11.5.x, 11.9.2, 12.0 & 12.5; Replication Server 11.5, 12.0 & 12.1; IQ 11.5; AS IQ 12.0, 12.03.x & 12.4.x; Enterprise Connect for Data Access 12.0; Enterprise Connect for Data Movement 12.0; InfoMaker 7; PowerDesigner; Warehouse Architect
O/Ss	Sun Solaris, IBM AIX, HPUX, DEC/Compaq Unix, NT 4.0, Windows 2000
Languages	T-SQL, UNIX Shells, Perl
Skills	Database Administration, Database Design, Datawarehouse Administration, Datawarehouse Design, Replication System Design, Replication Server Administration, SQL Scripting, Data Extraction and Report Writing, UNIX Shell Scripting, Teaching
Client Areas	Banking (investment, commercial and retail), computer manufacturing, currency exchange, customer interfacing, education, facilities management, food manufacturing, gambling, government, health, insurance, telecommunications, travel, utilities, web services

- Promoted from Consultant to Senior Consultant after a year
- Visited clients at the clients' own sites to carry out tasks such as
  - Sybase software installations
  - performance and tuning exercises when poor performance was being experienced (best figure obtained was a 10,000+ times improvement for one query)
  - design, document and implement relational database systems
  - design, document and deploy replication systems
  - design, document and implement datawarehouse systems
  - upgrade to higher Sybase releases
  - step in as a Sybase DBA when extra staff were required
- Wrote official reports to document the work performed during engagements at clients

♦ Wrote official letters specifying the work to be carried out during engagements at clients
♦ Developed a system to ensure ISO compliance adhered to for engagement documentation
♦ Gave training in Sybase products at basic, intermediate and advanced levels, both in Australia and Asia
♦ Designed a method for replicating ASE login information between ASE servers and made it available to other Sybase consultants world-wide
♦ Designed a method for replicating data from ASE databases to AS IQ datawarehouse systems and implemented it for a client
♦ Authored a training course to teach an introduction to Sybase Historical Server
♦ Developed additional stored procedures to make all Sybase ASE DBAs' jobs easier and updated them for new releases of ASE – given to students attending DBA courses, and to DBAs at client sites

5th May 1997 to 29th May 1998 – ACC, Wellington, New Zealand

Senior Sybase Database Administrator

Products	Sybase SQL Server 11.0.x, Replication Server 11.0.x, ASE 11.5
O/Ss	Sun Solaris, NT 4.0
Languages	T-SQL, UNIX Shells
Skills	Database Administration, Database Design, Replication System Design, Replication Server Administration, SQL Scripting, UNIX Shell Scripting

♦ Assisted with the design of a database to replace a mainframe system
♦ Assisted with the design and implementation of a replication topography consisting of a complete warm standby and selected lookup tables to 50 other servers
♦ Designed and wrote scripts and stored procedures to automate the monitoring of the replication system
♦ Designed and wrote scripts to automate Sybase backups to DLT tape stackers for unattended automatic database dumps spanning several tapes
♦ Trained a mainframe DBA in Sybase database administration
♦ Developed more stored procedures to make all Sybase ASE DBAs' jobs easier

27th September 1993 to 25th April 1997 – SAIC, Aberdeen

Relational Database Administrator. Leader of the Database Administration Team

Products	Sybase SQL Server 4.9, 10 & 11; Oracle 5, 6 & 7; BASIS K; Ingres; All-In-1 2.3; FMS
O/Ss	SunOS; Sun Solaris; IBM AIX; DEC VMS 5.4 & 5.5; DEC Open VMS AXP 6.2;
Languages	FORTRAN 77, DCL, T-SQL, UNIX Shells
Skills	Database Administration, Database Design, UNIX Shell Scripting, Teaching

♦ Led a team of three other DBAs – all members of the team administered Sybase servers and Oracle instances
♦ Reverse engineered a T-SQL course from hard copy, and trained other SAIC employees using it
♦ Supported Ingres, BASIS and All-In-1 legacy systems at both application and DBA levels
♦ Developed stored procedures to make all Sybase SQL Server DBAs' jobs easier

26th January 1987 to 24th September 1993 – BP Exploration, Aberdeen

Freelance Analyst Programmer / BASIS Database Administrator

Products	BASIS K, Ingres, Sybase SQL Server 4.9, All-In-1 2.2 & 2.3, FMS
O/Ss	VMS 4.3 to 5.5
Languages	FORTRAN 77, DCL, SQL, QUEL, T-SQL
Skills	System Analysis, Text Information and Relational Database Design, Text Information Database Administration, Application Support

♦ Designed, developed and supported BASIS databases, Ingres databases and All-In-1 business systems
♦ Developed Sybase ABF form interfaces and reports

8th September 1986 to 22nd January 1987 – London Regional Transport, Chiswick

Freelance Oracle Analyst Programmer

27th August 1985 to 29th August 1986 – BP Research Centre, Sunbury upon Thames

Freelance Analyst Programmer / BASIS Database Manager

5th July 1982 to 23rd August 1985 – Ferranti, Portsmouth

Programmer, Team Leader

July 1981 to September 1981 – Marconi, Portsmouth

Programmer

July 1980 to July 1981 – Ferranti, Portsmouth

Industrial Trainee

HOBBIES

My hobbies include reading (mainly science fiction and fantasy), computing, hill ambling and amateur dramatics.