Raymond Mardle
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Career Summary

Database programmer and administrator in several DBMS products, with training experience. Strong design and problem solving skills with proven attention to detail and accuracy. Extensive DBMS knowledge used to improve performance in many areas, design and implement complex yet easily maintained processes, and mentor colleagues.

Key Strengths

Problem Resolution	Performance and Tuning	Knowledge Transfer
Improving System Stability	Database Administration	Database Design

Career History

J.P. Morgan Chase, Glasgow and home - Software Engineer, Vice President   May 2018 to June 2023

Technology - Products : SAP ASE 16.0, SAP IQ 16.0; O/Ss : Linux; Languages : T-SQL, Linux shells, awk

Responsibilities
- identified performance issues in SAP ASE, investigated potential solutions, and implemented the best one
- designed and built a system in SAP IQ for taking data in tables with many millions of rows and pivoting it to tables with hundreds of columns, in such a way as to allow one development source to be used with several data source input layouts and multiple destination layouts, by the use of include files and string substitution
- designed and built a methodology in IQ for identifying changed pivoted rows, and a second methodology for publishing the changed pivoted rows to regional data repositories
- rebuilt the processing stack in IQ for getting mission critical data into the database, to make it more robust and have better error detection and handling
- was the primary point of contact when unexplained issues occurred in various ASE or IQ servers
- acted as a mentor to other members of the team for ASE and IQ
- although employed in an application development role, was closely involved with different DBA aspects of ASE and IQ

Key Achievements
- replaced a reporting and data updating system that had a data repository in a single region, with a new reporting and data updating system having a data repository in three regions, as mandated by regulators
- achieving 10,000+ times performance improvement on multiple occasions
- replaced a system that had many issues per month, with one that has very few issues per quarter
- designed and implemented a methodology in ASE to stop the continual increase of data storage requirements

Working on my own projects at home   October 2016 to May 2018

Technology - 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

Key Achievements
- created a repository for ASE system procedures and scripts, and made them available to the worldwide community (see the link below)

J.P. Morgan Chase, home - Software Engineer, Vice President   **June 2007 to October 2016**

Technology - Products : Sybase ASE 12.5.x, SAP ASE 15.7; O/Ss : Solaris 9, Linux; Languages : T-SQL, Unix / Linux shells, awk, Perl

Responsibilities
- ensuring that upgrading to 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 one of the bank's systems

Key Achievements
- recognised as a subject matter expert for ASE
- achieving 10,000+ times performance improvement on multiple occasions

William Wilson Limited, Aberdeen - database developer   **July 2006 to June 2007**

Technology - Products : Oracle 9i; O/Ss : HPUX 11; Languages SQL, PL/SQL, Bourne Shell

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

Key Achievements
- identified ways to make the merging of the stock control data easier

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 that appeared in the Q3 2006 issue
"Surviving Multiple Simultaneous Threshold Firings" - an International Sybase User Group Journal article that appeared in the Q2 2005 issue
"Upgrading Adaptive Server Enterprise (ASE) with Replication Server Warm Standby" - a Sybase technical white paper that 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/ for 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